



No. 42

15 OCTOBER 2016



UNITED STATES OF AMERICA

NOTICE TO MARINERS



Published Weekly by the
National Geospatial-Intelligence Agency

Prepared Jointly with the
National Ocean Service and U.S. Coast Guard

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Visit the Maritime Safety Web site at <http://msi.nga.mil/NGAPortal/MSI.portal>

IMPORTANT INFORMATION

The Notice to Mariners is published by the National Geospatial-Intelligence Agency (NGA), under the authority of Department of Defense Directive 5105.60, to advise mariners of important matters affecting navigational safety, including new hydrographic discoveries, changes in channels and navigational aids, etc. (U.S. Code Title 10, Sec. 442 and Title 44, Sec. 1336 refer). Nothing in the arrangement of information implies endorsement or acceptance by NGA in matters affecting the status and boundaries of States and territories. The Notice to Mariners presents corrective information affecting charts, NGA/DLIS Catalog of Maps Charts and Related Products, Coast Pilots, USCG Light Lists, NGA List of Lights and other products produced by the National Geospatial-Intelligence Agency, National Ocean Service and U.S. Coast Guard.

Information for the Notice to Mariners is contributed by the following Agencies: National Geospatial-Intelligence Agency (NGA) (Department of Defense) for waters outside the territorial limits of the United States; National Ocean Service (NOS) (Department of Commerce), which is charged with the surveys and charting of the coasts and harbors of the United States and its territories; the U.S. Coast Guard (USCG) (Department of Homeland Security), which is responsible for the safety of life at sea and the establishment and operation of aids to navigation; and the U.S. Army Corps of Engineers (Department of Defense), which is charged with the improvement of rivers and harbors of the United States. In addition, important contributions are made by foreign hydrographic offices and cooperating observers of all nationalities.

For further information concerning NGA hydrographic products and services, including the Maritime Safety Web site, users may contact:

<u>Name</u>	<u>Telephone</u>	<u>DSN</u>	<u>FAX</u>
Maritime Safety Office	571-557-8384	N/A	571-558-3213
World Wide Navigational Warning Service	571-557-5455	547-5455	571-558-3426
Maritime Safety Web site	571-557-7103	547-7103	N/A
Notice to Mariners: Regions 1 and 2	571-557-8282	547-8282	571-558-3213
Notice to Mariners: Regions 3 thru 9	571-557-8383	547-8383	571-558-3213
Sailing Directions, Fleet Guides	571-557-5831	547-5831	571-558-3213
Navigation Publications	571-557-8080	547-8080	571-558-3213
NGA/DLIS Catalog of Maps Charts and Related Products	269-961-7766	661-7766	269-961-7791

The Maritime Safety Web site can be accessed directly at <http://msi.nga.mil/NGAPortal/MSI.portal>. For your convenience, NGA provides the following e-mail addresses: For information affecting Notice to Mariners, use MCDNtM@nga.mil; for information affecting Sailing Directions and all other navigational publications, use MCDPubs@nga.mil; for information concerning the Maritime Safety Web site, use webmaster_nss@nga.mil; and for information concerning the World Wide Navigational Warning Service, use NavSafety@nga.mil.

Mariners are requested to notify NGA of discrepancies in charts and publications, using the Marine Information Report and Suggestion Sheet at the back of this Notice to Mariners. This form should also be used to report permanent changes, additions, or deletions from charted or published information. Reports which constitute an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. All reports are greatly appreciated.

Cover Photo: **USCGC JAMES (WMSL-754)** is the fifth *Legend*-class cutter, built at Ingalls Shipyard, Pascagoula, MS, and commissioned 8 August 2015 in Boston. She is named for Joshua James (1826-1902), a sea captain and a U.S. Life-Saving Service station keeper credited with saving over 600 lives. **JAMES**, like all *Legend*-class cutters (also known as National Security Cutters), is capable of a wide range of missions, including intercepting suspect vessels, rescuing swimmers, fishery protection, maritime homeland security missions, counter terrorism, and coastal patrol. She is 418 feet long, has a beam of 54 feet, and displaces 4,600 tons. Her homeport is Charleston, SC and her crew consists of 15 Officers, 15 CPO, and 81 Enlisted.

INFORMATION
OF
SPECIAL INTEREST
OR
IMPORTANCE
TO
MARINERS

NM 42/16

HYDROGRAM

**National Geospatial-Intelligence Agency
Springfield, VA 22150-7500**

SPECIAL
ANNOUNCEMENTS
NEW PRODUCTS
OR SERVICES
IMPORTANT
CHANGES

15 October 2016

SPECIAL WARNING NO. 134

THE U.S. DEPARTMENT OF STATE, OFFICE OF TRANSPORTATION POLICY, HAS ISSUED SPECIAL WARNING NO. 134 PROVIDING INFORMATION ON THE HEIGHTENED STATE OF ALERT IN THE RED SEA, BAB-EL-MANDEB STRAIT AND GULF OF ADEN. SEE SECTION III.

NGA IMPLEMENTING PHASED REDUCTION OF GLOBAL CHART PORTFOLIO

EFFECTIVE 06 AUGUST 2016, NGA BEGAN A PHASED REDUCTION OF STANDARD NAUTICAL HARDCOPY CHART COVERAGE OVER ALL REGIONS OF THE WORLD. SEE SECTION III FOR DETAILS.

NOAA CHART NEW EDITIONS AND THEIR AVAILABILITY

NOAA RECOGNIZES TWO PAPER NAUTICAL CHART PRODUCTS: CHARTS-ON-DEMAND AND TRADITIONAL NOAA/NOS PAPER CHARTS. FOR ADDITIONAL INFORMATION, SEE SECTIONS II AND III.

NGA CHART NEW EDITIONS AND THEIR AVAILABILITY

NGA RECOGNIZES TWO PAPER NAUTICAL CHART PRODUCTS: ENTERPRISE PRODUCT ON DEMAND-MARITIME (EPOD-M) CHARTS AND TRADITIONAL NGA PAPER CHARTS. FOR ADDITIONAL INFORMATION, SEE SECTIONS II AND III.

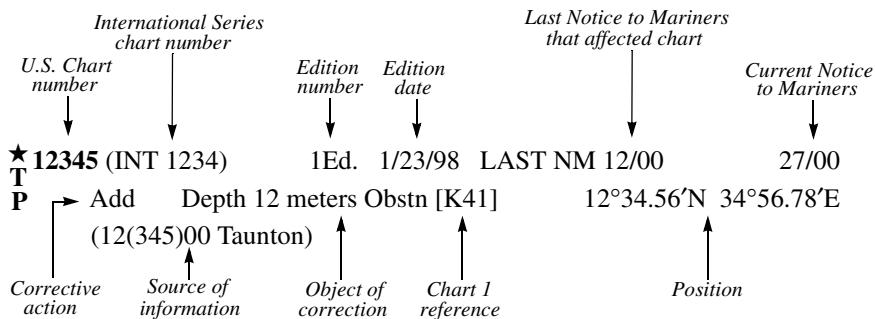
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY'S IMPLEMENTATION OF A HARDCOPY TO DIGITAL TRANSITION STRATEGY

THIS NOTICE IS A REMINDER OF THE NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY (NGA) HARDCOPY TO DIGITAL TRANSITION PROGRAM. SEE SECTION III FOR DETAILS.

EXPLANATION OF CONTENTS

The Notice to Mariners contains corrective information affecting nautical charts, the NGA/DLIS Catalog of Maps Charts and Related Products, Coast Pilots, USCG Light Lists, NGA List of Lights and other related nautical publications. The information contained in these corrections is important to safe navigation. It is the user's responsibility to decide which of their charts and publications require correction. Consult the U.S. Coast Guard Local Notice to Mariners for information pertaining to waterways within the United States that are not normally used by oceangoing vessels. Because of the sometimes transitory nature of aids to navigation, depths and port information, local area sources should be consulted whenever possible. This publication is not required to be maintained intact. Portions may be separated for correction or attachment to an affected product. The Notice to Mariners is divided into the following sections:

Section I-1 contains corrections to nautical charts listed in numeric order by chart number. Each chart correction listed applies only to that particular chart. Related charts, if any, will have their own specific correction listed separately. Users should also refer to U.S. Chart 1 Nautical Chart Symbols, Abbreviations and Terms for additional information pertaining to the correcting of charts. The illustration below describes the elements that comprise a typical chart correction:



A chart correction preceded by:

- ★ indicates that it is based upon original U.S. source information.
 - T indicates that it is temporary in nature.
 - P indicates that it is preliminary, and that permanent corrective action will appear in a future Notice to Mariners.
- The letter M immediately following the chart number indicates that the correction should be applied to the metric side of the chart only. The letter M is not a part of the chart number.
- The letter N preceding the current Notice to Mariners number indicates that the affected chart is on Limited Distribution and is normally only for use by U.S. Navy, government-owned or -chartered vessels.
- Position coordinates are referred to the horizontal datum of the affected chart.
- Courses and bearings are given in degrees true.
- Light sectors are expressed in degrees true from the vessel TOWARD the light.
- The visible range(s) listed for lights is normally the nominal range (the distance at which it can be seen in clear weather), expressed in nautical miles, except in the Great Lakes where it is expressed in statute miles.
- The colors of structures and lights of navigational aids are abbreviated in accordance with Chart 1.
- Section I-2*** contains all chartlets, depth tabulations and notes associated with the chart corrections in Section I-1. Chartlets and depth tabulations supersede all previous information portrayed.
- Section I-3** lists all NGA and NOS charts which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the oldest Summary of Corrections or the chart's announcement, whichever is later.

Section II-1 is a weekly listing of corrections to the NGA/DLIS Catalog of Maps Charts and Related Products, including new charts and publications. It also contains the latest price category information.

Section II-2* contains corrections to navigation publications, including Coast Pilots, *The American Practical Navigator*, and other related nautical publications.

Section II-3* lists weekly updates to the USCG Light Lists.

Section II-4* lists weekly updates to the NGA List of Lights.

Section II-5 lists all NGA, NOS and USCG navigation publications which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the publication's announcement.

Section III-1 lists the message number of all in-force Navigational Warnings, and the text of those warnings promulgated during the previous week. Notice to Mariners Nos. 13, 26 and 39 list a summary of all in-force Navigational Warnings for the preceding quarter. Notice to Mariners No. 52 lists a complete summary of all in-force Navigational Warnings.

Section III-2 contains miscellaneous information of particular interest to the maritime community.

*The left-hand pages of these sections are intentionally blank.

**SECTION I
CHART CORRECTIONS**

11 (INT 11) 2Ed. 9/14/96 LAST NM 41/16 Add Superbuoy ODAS [Q58] Y, spherical, Fl(5) Y 20s (NTM0008/2016)	42/16 46°43'N 48°54'W	Relocate Range light, front from 25°45'06"N 80°07'39"W to Range light, rear from 25°45'00"N 80°07'59"W to Note: Range bearing unchanged	25°45'13"N 80°07'18"W 25°45'07"N 80°07'38"W
109 (INT 404) 5Ed. 8/5/95 LAST NM 30/09 Add Superbuoy ODAS [Q58] Y, spherical, Fl(5) Y 20s (NTM0008/2016)	42/16 46°43'N 48°54'W	Range light, front from 25°45'11"N 80°06'29"W to Range light, rear from 25°45'01"N 80°06'05"W to Note: Range bearing unchanged	25°45'15"N 80°06'38"W 25°44'58"N 80°05'58"W
120 6Ed. 8/20/94 LAST NM 41/16 Add Superbuoy ODAS [Q58] Y, spherical, Fl(5) Y 20s (NTM0008/2016)	42/16 46°43'N 48°54'W	Add Dashed range line between	25°45'01"N 80°06'05"W 25°44'58"N 80°05'58"W
121 5Ed. 2/12/83 LAST NM 41/16 Add Superbuoy ODAS [Q58] Y, spherical, Fl(5) Y 20s (NTM0008/2016)	42/16 46°43'N 48°54'W	Delete (Page D, Inset 1) Range light, rear and dashed range line between (2/16 CG7)	25°44'59.2"N 80°07'59.4"W 25°45'04.1"N 80°07'45.4"W
400 (INT 400) 3Ed. 12/25/93 LAST NM 17/16 Add Note "NOTE Ocean Data Acquisition System (ODAS) buoys will no longer be maintained on this chart unless located in areas where larger scale chart coverage is unavailable." (NTM0008/2014)	42/16 32°00'N 91°30'W	11465 39Ed. 4/11 LAST NM 35/15 Delete Dashed range line between	42/16 25°45'06.6"N 80°07'37.8"W 25°44'59.1"N 80°07'59.4"W
401 (INT 401) 5Ed. 6/15/91 LAST NM 17/16 Add Note "NOTE Ocean Data Acquisition System (ODAS) buoys will no longer be maintained on this chart unless located in areas where larger scale chart coverage is unavailable." (NTM0008/2014)	42/16 17°00'N 91°30'W	Relocate Range light, front from 25°45'06.0"N 80°07'39.1"W to Range light, rear from 25°44'59.1"N 80°07'59.4"W to Note: Range bearing unchanged	25°45'13.2"N 80°07'17.8"W 25°45'06.6"N 80°07'37.8"W
411 54Ed. 8/13 LAST NM 41/16 Relocate Buoy ODAS from 26°24'N 90°50'W to (2/16 CG8)	42/16 26°24'N 90°48'W	Range light, front from 25°45'00.7"N 80°06'05.6"W to Note: Range bearing unchanged	25°44'58.2"N 80°05'57.9"W
★11004 9Ed. 7/12/14 LAST NM 41/16 Delete Platform and Racon Relocate Buoy ODAS from 26°24.0'N 90°50.4'W to (2/16 CG8)	42/16 28°12.8'N 92°50.9'W 26°24.3'N 90°47.5'W	Add Dashed range line between (2/16 CG7)	25°45'00.7"N 80°06'05.6"W 25°44'58.2"N 80°05'57.9"W
11330 22Ed. 4/13 LAST NM 41/16 Delete Platform and Racon (2/16 CG8)	42/16 28°12.8'N 92°50.9'W	11466 39Ed. 4/11 LAST NM 36/15 (Right Panel) Delete Dashed range line between	42/16 25°45'07"N 80°07'38"W 25°45'00"N 80°07'58"W
★11359 14Ed. 12/09 LAST NM 4/15 Delete Platform (1/16 CG8)	42/16 28°43'17"N 89°57'55"W	Relocate Range light, front from 25°45'07"N 80°07'38"W to Range light, rear from 25°45'00"N 80°07'58"W to Note: Range bearing unchanged	25°45'13"N 80°07'18"W 25°45'07"N 80°07'38"W
11376 58Ed. 11/15 LAST NM 7/16 Delete Platform Add Depth 6 feet (NOS; 2/16 CG8)	42/16 30°10'32"N 87°57'54"W 30°11'37"N 88°04'34"W	Range light, front from 25°45'12"N 80°06'28"W to Range light, rear from 25°45'01"N 80°06'04"W to Note: Range bearing unchanged	25°45'15"N 80°06'38"W 25°44'58"N 80°05'58"W
★11377 11Ed. 11/15 LAST NM 5/16 Delete Platform Add Depth 6 feet (NOS; 2/16 CG8)	42/16 30°10'31.5"N 87°57'54.2"W 30°11'37.0"N 88°04'34.1"W	Add Dashed range line between (2/16 CG7)	25°45'01"N 80°06'04"W 25°44'58"N 80°05'58"W
11378 38Ed. 4/13 LAST NM 28/16 (Side B) Add Depth 6 feet (NOS)	42/16 30°11'37.0"N 88°04'34.1"W	11467 43Ed. 1/12 LAST NM 35/15 (Side B) Delete Dashed range line between	42/16 25°45'06.6"N 80°07'37.8"W 25°44'59.6"N 80°07'58.7"W
11451 35Ed. 2/11 LAST NM 39/16 (Page A) Delete Dashed range line between	42/16 25°45'07"N 80°07'38"W 25°45'00"N 80°07'59"W	Relocate Range light, front from 25°45'06.5"N 80°07'38.0"W to Range light, rear from 25°44'59.6"N 80°07'58.7"W to Note: Range bearing unchanged	25°45'13.2"N 80°07'17.8"W 25°45'06.6"N 80°07'37.8"W

(continued on next page)

SECTION I

11467	(Continued)			
Relocate	Range light, front from 25°45'11.2"N 80°06'28.6"W to 25°45'14.9"N 80°06'37.8"W			
	Range light, rear from 25°45'01.5"N 80°06'05.2"W to 25°44'58.2"N 80°05'57.9"W			
	Note: Range bearing unchanged			
Add	Dashed range line between 25°45'01.5"N 80°06'05.2"W 25°44'58.2"N 80°05'57.9"W			
Delete	(Side B, Inset 3) Range light, rear and dashed range line between 25°44'59.2"N 80°07'59.2"W 25°45'05.0"N 80°07'42.6"W			
	(2/16 CG7)			
★11468	44Ed. 3/14 LAST NM 35/15	42/16		
Delete	Dashed range line between 25°45'06.6"N 80°07'37.8"W 25°44'59.2"N 80°07'59.3"W			
Relocate	Range light, front from 25°45'06.2"N 80°07'38.7"W to 25°45'13.2"N 80°07'17.8"W			
	Range light, rear from 25°44'59.2"N 80°07'59.3"W to			
	Note: Range bearing unchanged 25°45'06.6"N 80°07'37.8"W			
	Range light, front from 25°45'11.1"N 80°06'28.8"W to 25°45'14.9"N 80°06'37.8"W			
	Range light, rear from 25°45'01.3"N 80°06'05.4"W to 25°44'58.2"N 80°05'57.9"W			
	Note: Range bearing unchanged			
Add	Dashed range line between 25°45'01.3"N 80°06'05.4"W 25°44'58.2"N 80°05'57.9"W			
	(2/16 CG7)			
11469	9Ed. 7/11 LAST NM 34/15	42/16		
Delete	Dashed range line between 25°45'06"N 80°07'37"W 25°44'58"N 80°07'58"W			
Relocate	Range light, front from 25°45'06"N 80°07'37"W to 25°45'13"N 80°07'18"W			
	Range light, rear from 25°44'58"N 80°07'58"W to			
	Note: Range bearing unchanged 25°45'07"N 80°07'38"W			
	Range light, front from 25°45'11"N 80°06'29"W to 25°45'15"N 80°06'38"W			
	Range light, rear from 25°45'00"N 80°06'03"W to			
	Note: Range bearing unchanged 25°44'58"N 80°05'58"W			
Add	Dashed range line between 25°45'00"N 80°06'03"W 25°44'58"N 80°05'58"W			
	(2/16 CG7)			
11473	1Ed. 10/2/04 LAST NM N34/15	N42/16		
Delete	Dashed range line between 25°45'07"N 80°07'38"W 25°45'00"N 80°08'02"W			
Relocate	Range light, front from 25°45'07"N 80°07'42"W to 25°45'13"N 80°07'18"W			
	Range light, rear from 25°45'00"N 80°08'02"W to			
	Note: Range bearing unchanged 25°45'07"N 80°07'38"W			
	Range light, front from 25°45'12"N 80°06'32"W to 25°45'15"N 80°06'38"W			
	Range light, rear from 25°45'02"N 80°06'07"W to			
	Note: Range bearing unchanged 25°44'58"N 80°05'58"W			
Add	Dashed range line between 25°45'02"N 80°06'07"W 25°44'58"N 80°05'58"W			
	(2/16 CG7)			
11534	39Ed. 11/15 LAST NM 40/16	42/16		
	(Side A) Delete Light "163" (33/16 CG5)		34°03'05"N 77°55'09"W	
★11537	40Ed. 2/15 LAST NM 40/16	42/16		
	(Left Panel) Delete Light "163" (33/16 CG5)		34°03'05"N 77°55'09"W	
12230	66Ed. 4/13 LAST NM 33/16	42/16		
Add	Depth 17 feet Rk [K14.2] (NOS)		38°08'50"N 76°18'07"W	
★12233	38Ed. 1/14 LAST NM 24/16	42/16		
Add	Depth 17 feet Rk [K14.2] (NOS)		38°08'50"N 76°18'07"W	
12280	11Ed. 2/14 LAST NM 40/16	42/16		
	(Left Panel) Add Depth 17 feet Rk [K14.2]		38°08.8'N 76°18.1'W	
	(Right Panel) Add Depth 17 feet Rk [K14.2]		38°08.8'N 76°18.1'W	
12324	35Ed. 3/12 LAST NM 35/16	42/16		
	(Side A) Delete Anchorage area "26" in vicinity		40°25'43"N 74°01'43"W	
	General anchorage 26 from ANCHORAGE AREAS note in upper left margin of chart (34/16 CG1)			
★12325	5Ed. 12/14 LAST NM 43/15	42/16		
	Delete Anchorage area "26" in vicinity		40°25'28.3"N 74°00'38.7"W	
	ANCHORAGE AREAS note		40°24'03.6"N 74°00'10.7"W	
	(34/16 CG1)			
12364	40Ed. 7/15 LAST NM 29/16	42/16		
	(Page E) Delete Light from buoy (mooring)		40°49'28"N 73°47'22"W	
	(Page F, Inset 11) Delete Light from buoy (mooring)		40°49'27.7"N 73°47'22.2"W	
	(Page F, Inset 13) Add Buoy "A" W Or, Fl 4s (Priv) Buoy "B" W Or, Fl 4s (Priv) Buoy "B" W Or, Fl 4s (Priv)		40°54'41.2"N 73°25'49.0"W 40°54'38.2"N 73°25'44.6"W 40°54'46.6"N 73°24'18.3"W	
	(Page G) Add Buoy "A" W Or, Fl 4s (Priv) Buoy "B" W Or, Fl 4s (Priv) (NOS; 32/16 CG1)		40°54'41"N 73°25'49"W 40°54'47"N 73°24'18"W	
★12365	28Ed. 10/14 LAST NM 29/16	42/16		
Add	Buoy "A" W Or, Fl 4s (Priv) Buoy "B" W Or, Fl 4s (Priv) Buoy "B" W Or, Fl 4s (Priv)		40°54'41.2"N 73°25'49.0"W 40°54'38.2"N 73°25'44.6"W 40°54'46.6"N 73°24'18.3"W	
	(32/16 CG1)			
★12366	30Ed. 10/14 LAST NM 11/16	42/16		
	Delete Light from buoy (mooring)		40°49'27.7"N 73°47'22.2"W	
	(NOS)			
12401	11Ed. 10/11 LAST NM 35/16	42/16		
	Delete Anchorage area "26" in vicinity		40°25'31.9"N 74°00'33.8"W	
	General anchorage 26 from ANCHORAGE AREAS note (34/16 CG1)		40°24'36.6"N 74°06'47.7"W	
14018	6Ed. 12/17/94 LAST NM 48/15	42/16		
Add	Superbuoy ODAS [Q58] Y, spherical, Fl(5) Y 20s (NTM0008/2016)		46°42.8'N 48°54.0'W	

SECTION I

14820	21Ed. 10/05 LAST NM 26/16 Add Buoy ODAS "A" Y, Fl Y 4s (2/16 CG9)	42°08.9'N 80°16.0'W	42/16	17420	29Ed. 2/13 LAST NM 31/16 Change Visibility (range) of light to 9M (30/16 CG17)	55°04.7'N 130°12.2'W	42/16
14824	26Ed. 10/03 LAST NM 36/16 Add Buoy ODAS "A" Y, Fl Y 4s (2/16 CG9)	42°08'53"N 80°15'59"W	42/16	★17427	8Ed. 5/15 LAST NM 30/15 Change Visibility (range) of light to 9M (30/16 CG17)	55°04'44"N 130°12'11"W	42/16
14838	4Ed. 4/05 LAST NM 36/16 Add Buoy ODAS "A" Y, Fl Y 4s (2/16 CG9)	42°08'53"N 80°15'59"W	42/16	18441	47Ed. 6/11 LAST NM 41/16 Delete Buoy (mooring) (38/16 CG13)	47°41'13"N 122°24'38"W	42/16
★14839	38Ed. 5/15 LAST NM 17/16 Add Tabulation of controlling depths from Subsection I-2 (NOS)		42/16	18445	34Ed. 4/12 LAST NM 41/16 (Page A) Delete Buoy (mooring) (38/16 CG13)	47°41'13"N 122°24'38"W	42/16
★14843	24Ed. 10/13 LAST NM 17/16 Add Tabulation of controlling depths from Subsection I-2 (Supersedes 25/14-14843) (NOS)		42/16	★18446	18Ed. 3/11 LAST NM 33/16 Delete Buoy (mooring) (38/16 CG13)	47°41'13.4"N 122°24'37.9"W	42/16
★16123	7Ed. 1/15 LAST NM 13/15 Add Submarine cable [L30.1] joining Buoy (31/16 CG17)	68°20'37"N 166°43'09"W 68°20'28"N 166°43'09"W 68°20'08"N 166°43'12"W 68°20'08"N 166°43'12"W	42/16	18447	30Ed. 9/12 LAST NM 31/16 (Side A) Delete Buoy (mooring) (38/16 CG13)	47°41'13.4"N 122°24'37.9"W	42/16
16124	7Ed. 1/15 LAST NM 13/15 Add Submarine cable [L30.1] joining Buoy (31/16 CG17)	68°20'37"N 166°43'09"W 68°20'28"N 166°43'09"W 68°20'08"N 166°43'12"W 68°20'08"N 166°43'12"W	42/16	18473	9Ed. 4/16 LAST NM 41/16 Delete Buoy (mooring) (38/16 CG13)	47°41'13"N 122°24'38"W	42/16
★16594	14Ed. 1/15 LAST NM 40/16 (Inset Ouzinkie Harbor) Relocate Buoy "6" from 57°55'07.4"N 152°32'42.8"W to 57°55'08.0"N 152°32'44.3"W (30/16 CG17)		42/16	★18524	37Ed. 6/11 LAST NM 37/16 (Left Panel) Delete Danger circle "Obstn" (PA) (Supersedes 37/16-18524)	46°03'45.0"N 122°53'21.0"W	42/16
16760	11Ed. 5/15 LAST NM 28/16 Add Designation "SR" to buoy (30/16 CG17)	57°49.8'N 136°28.1'W	42/16	18581	19Ed. 10/11 LAST NM 38/16 Add Tabulation of controlling depths from Subsection I-2 (Supersedes 35/16-18581) (NOS)	46°03'45.2"N 122°53'21.7"W	42/16
17300	32Ed. 10/12 LAST NM 6/13 Add Rock which does not cover [K10] "Rep (2016)" (PA) Dangerous wreck [K28] "Rep (2016)" (PA) Designation "SR" to buoy (30, 31/16 CG17)	58°26.0'N 134°49.3'W 58°26.0'N 134°49.6'W 57°49.7'N 136°28.2'W	42/16	★18583	40Ed. 10/11 LAST NM 35/16 Relocate Light "9" from 44°00'28.2"N 124°07'46.1"W to 44°00'27.9"N 124°07'45.3"W (38/16 CG13)	42/16	
★17303	11Ed. 5/14 LAST NM 34/14 Add Designation "SR" to buoy (30/16 CG17)	57°49'47"N 136°28'08"W	42/16	★18584	48Ed. 5/07 LAST NM 36/16 Add Tabulation of controlling depths from Subsection I-2 (Supersedes 36/16-18584) (NOS)	42/16	
★17316	21Ed. 11/14 LAST NM 7/15 Add Rock which does not cover [K10] "Rep (2016)" (PA) Dangerous wreck [K28] "Rep (2016)" (PA) (31/16 CG17)	58°25'58"N 134°49'19"W 58°26'00"N 134°49'34"W	42/16	★18588	37Ed. 4/03 LAST NM 46/14 Add Tabulation of controlling depths from Subsection I-2 (Supersedes 46/14-18588) (NOS)	42/16	
17320	19Ed. 11/13 LAST NM 18/16 Add Designation "SR" to buoy (30/16 CG17)	57°49.8'N 136°28.1'W	42/16	★21008	62Ed. 12/5/98 LAST NM 51/11 Delete Purple outline of chart 21182 (NTM0015/2016)	27°48.8'N 110°49.7'W	42/16
17321	10Ed. 5/14 LAST NM 48/14 Add Designation "SR" to buoy (30/16 CG17)	57°49'47"N 136°28'08"W	42/16	★21482	1Ed. 11/6/93 CHART CANCELED (NTM0015/2016)	42/16	
				★22121	10Ed. 11/1/14 LAST NM N14/16 Delete Purple outline of chart 22126 (NTM0015/2016)	4°30'06"S 81°22'54"W	N42/16

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37221	14Ed. 6/21/08 LAST NM 38/16 Add Platform "DolWin Beta" [L2] with legend "Under Construction" 53°58.7'N 6°55.4'E Restricted area [N2.1] bound by purple composite-line circle, radius 0.3 mile, centered on above platform	42/16	54300 12Ed. 2/22/92 LAST NM 33/16 Relocate Buoy from 36°49.3'N 21°36.2'E to 36°49.8'N 21°35.7'E (6(116)16 Athens)	42/16
	Buoy "Schluchter" RW, pillar, ball topmark. Iso 8s [Q130.5] 53°44.5'N 7°02.1'E (33(87)14 Hamburg; Ger CH 89)			
37222	14Ed. 10/2/10 LAST NM N38/16 Add Danger circle "Obstn" [K40] 53°28.73'N 6°49.80'E (39(90)15 Hamburg)	N42/16		
37226	19Ed. 3/9/13 LAST NM N39/16 (Plan) Add Depth 12.9 meters 53°52'49.4"N 8°42'16.0"E (43(44)13 Hamburg)	N42/16		
37246	16Ed. 4/14/12 LAST NM N38/16 Relocate Buoy "FZ2" from 51°25'39"N 4°01'55"E to 51°25'34"N 4°02'08"E Buoy "FZ4" from 51°25'26"N 4°02'08"E to 51°25'18"N 4°02'29"E Buoy "FZ6" from 51°24'40"N 4°02'26"E to 51°24'37"N 4°02'37"E (3(53)14 Den Haag)	N42/16		
43030	25Ed. 1/5/13 LAST NM N40/16 Add Platform (lighted) [L10] AIS 55°07.4'N 7°14.0'E (39(50)15 Hamburg)	N42/16		
★43184	2Ed. 9/4/93 CHART CANCELED (NTM0015/2016)	42/16	54343 10Ed. 12/9/95 LAST NM 28/16 Add Wreck [K29] 37°52'14"N 23°37'26"E (7(139)16 Athens)	42/16
★43206	3Ed. 10/2/93 CHART CANCELED (NTM0015/2016)	42/16	54344 6Ed. 3/23/96 LAST NM 28/16 Add Wreck [K29] 37°52'14"N 23°37'26"E (7(139)16 Athens)	42/16
★43345	4Ed. 8/7/93 CHART CANCELED (NTM0015/2016)	42/16	54350 4Ed. 12/18/93 LAST NM 27/15 (Plan A) Add Wreck [K29] 39°01'21"N 23°21'34"E Wreck [K29] 39°02'56"N 23°22'58"E Wreck [K29] 39°12'05"N 23°23'43"E (7(142, 147)16 Athens)	42/16
★43356	2Ed. 2/17/96 CHART CANCELED (NTM0015/2016)	42/16	54351 7Ed. 11/26/94 LAST NM 26/15 Add Wreck [K29] 39°01'21"N 23°21'34"E Wreck [K29] 39°02'56"N 23°22'58"E Wreck [K29] 39°12'05"N 23°23'43"E (7(142, 147)16 Athens)	42/16
★43362	5Ed. 9/12/92 CHART CANCELED (NTM0015/2016)	42/16	54480 9Ed. 12/29/12 LAST NM N32/16 Delete Depth 24 meters N42/16 Add Depth 9.5 meters Wk [K26] 33°56.3'N 35°34.7'E Depth 21.5 meters Wk [K26] 33°56.1'N 35°33.9'E (11(117)16 Brest)	42/16
★43365	5Ed. 12/13/97 CHART CANCELED (NTM0015/2016)	42/16	★55064 4Ed. 11/28/15 LAST NM N35/16 Delete Depth 62 meters 41°19'07"N 29°18'24"E Depth 77 meters 41°20'11"N 29°20'51"E Depth 65 meters 41°19'05"N 29°19'53"E (See N35/16-55064) (NTM0003/2016)	42/16
★43366	4Ed. 11/9/96 CHART CANCELED (NTM0015/2016)	42/16	★55085 9Ed. 9/21/96 LAST NM 28/16 Delete "ANCH NO 352" area in vicinity 46°17.4'N 30°41.6'E Purple outline of chart 55084 46°23.9'N 30°36.5'E	42/16
54162	5Ed. 2/8/97 LAST NM 34/11 Add Buoy (mooring) [Q40] 45°25'53.5"N 12°20'26.8"E Buoy (mooring) [Q40] 45°25'56.3"N 12°20'35.9"E (2(3)16 Genova)	42/16	Substitute Depth 15.3 meters for 19.3 meters 46°23.7'N 30°59.7'E Depth 13.6 meters Obstn [K41] for depth 18.8 meters 46°20.0'N 30°43.9'E Depth 19.7 meters Obstn [K41] for depth 21 meters 46°19.5'N 30°44.3'E Depth 11.1 meters Rk [K14.1] for depth 13 meters 46°13.4'N 30°40.2'E	42/16
54166	3Ed. 5/3/97 LAST NM 30/12 Add Buoy (mooring) [Q40] 45°25'53.5"N 12°20'26.8"E Buoy (mooring) [Q40] 45°25'56.3"N 12°20'35.9"E (2(3)16 Genova)	42/16		
54279	4Ed. 9/21/02 LAST NM 31/16 Add Wreck [K29] (PA) 39°28.9'N 20°09.8'E (6(114)16 Athens)	42/16		
54280	11Ed. 12/10/05 LAST NM 33/16 Delete Light (Fl G 1.5s 10m 3M) 38°51.0'N 20°43.4'E Add Wreck [K29] (PA) 39°28.9'N 20°09.8'E (6(114, 115)16 Athens)	42/16		

(continued on next page)

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55085	(Continued)			
Add	Depth 20.4 meters Depth 24 meters Depth 24.6 meters Depth 25.7 meters Rk [K14.1] Depth 22.5 meters Rk [K14.1] Depth 18.2 meters Obsn [K41] Depth 25 meters Obsn [K41] Depth 21.3 meters Obsn [K41]	46°24.6'N 30°50.3'E 46°18.5'N 30°54.1'E 46°13.0'N 30°53.6'E 46°12.0'N 30°51.2'E 46°14.4'N 30°48.5'E 46°18.5'N 30°42.4'E 46°12.6'N 30°47.5'E 46°12.0'N 30°48.8'E		Add Legend "SINOP HARBOR LIMIT" Legend "GERZE HARBOR LIMIT"
	(NTM0015/2016; 21(226)16 Kiev; 4(95)13, 4(112, 116)14 Constanta; 6(718)08 Taunton)			41°54.5'N 35°12.5'E 41°54.0'N 35°12.5'E
55100	8Ed. 1/23/99 LAST NM 35/16	42/16		Anchorage area "No 1" [N12.2] bound by purple dashed line joining
Delete	Depth 62 meters (See 35/16-55100)	41°19.1'N 29°18.4'E		41°47.9'N 35°13.3'E 41°48.9'N 35°15.5'E 41°47.8'N 35°16.4'E 41°47.0'N 35°14.2'E
★55110	2Ed. 8/31/96 LAST NM 35/16	42/16		Quarantine and explosives anchorage area "No 2" [N12.2] bound by purple dashed line joining
Delete	Depth 65 meters (See 35/16-55110)	41°19.1'N 29°19.9'E		41°45.8'N 35°15.5'E 41°46.8'N 35°17.8'E 41°45.3'N 35°19.3'E 41°44.1'N 35°17.1'E
	Substitute Depth 76 meters for 62 meters (NTM0003/2016)	41°19.1'N 29°18.1'E		Pilot station symbol [T1.1] Pilot station symbol [T1.1]
55128	3Ed. 8/23/08 LAST NM N4/15	N4/16		(NTM0015/2016; 31(192), 38(243)13 Istanbul)
Add	Land tint to area bound by shore and solid line [F13] joining	44°43'00.2"N 37°50'05.3"E 44°42'49.7"N 37°50'17.0"E 44°42'55.0"N 37°50'26.0"E		
	and delete all hydrography within the above area			
	Double solid line with land tint (pier) [F14] joining	44°42'50.0"N 37°50'16.3"E 44°42'42.1"N 37°50'01.0"E 44°42'41.5"N 37°49'48.5"E 44°42'53.9"N 37°49'22.2"E		
	(Plan)			
Add	Land tint to area bound by shore and solid line [F13] joining	44°43'00.2"N 37°50'05.3"E 44°42'49.7"N 37°50'17.0"E 44°42'55.0"N 37°50'26.0"E		
	and delete all hydrography within the above area			
	Double solid line with land tint (pier) [F14] 20 meters wide on centerline joining	44°42'50.0"N 37°50'16.3"E 44°42'42.1"N 37°50'01.0"E 44°42'41.5"N 37°49'48.5"E 44°42'52.6"N 37°49'24.1"E		
	Double solid line with land tint (pier) [F14] 40 meters wide on centerline between	44°42'52.8"N 37°49'24.3"E 44°42'53.9"N 37°49'22.2"E		
	(NTM0029/2015)			
★55150	2Ed. 6/15/96 LAST NM 33/16	42/16		
Delete	Purple outline of chart 55175	42°08.5'N 35°17.7'E		
	Anchorage area and legend "ANCH AREA" in vicinity	41°58.0'N 35°10.0'E		
	Anchorage area and legend "ANCH AREA" in vicinity	41°48.0'N 35°17.0'E		
Add	Anchorage area "No 1" [N12.2] bound by purple dashed line joining	42°00.0'N 35°07.5'E 42°00.0'N 35°12.7'E 41°58.4'N 35°12.7'E 41°58.4'N 35°07.2'E		
	Quarantine and explosives anchorage area "No 3" [N12.2] bound by purple dashed line joining	41°58.0'N 35°07.0'E 41°58.0'N 35°12.7'E 41°56.2'N 35°09.4'E 41°56.2'N 35°06.8'E		
	Anchorage area "No 2" [N12.2] bound by shore and purple dashed line between	42°02.9'N 35°02.8'E 42°02.3'N 35°10.2'E		
	Purple dashed line (harbor limit) [N49] between	41°52.9'N 35°07.4'E 41°57.0'N 35°22.5'E		
55170	2Ed. 10/5/96 LAST NM 51/15	42/16		
Add	Light Fl G 5s 8m 3M Light Fl R 5s 8m 3M			
	(49(278)14 Istanbul; UKHO LL)			41°01.0'N 40°21.7'E 41°00.9'N 40°21.7'E

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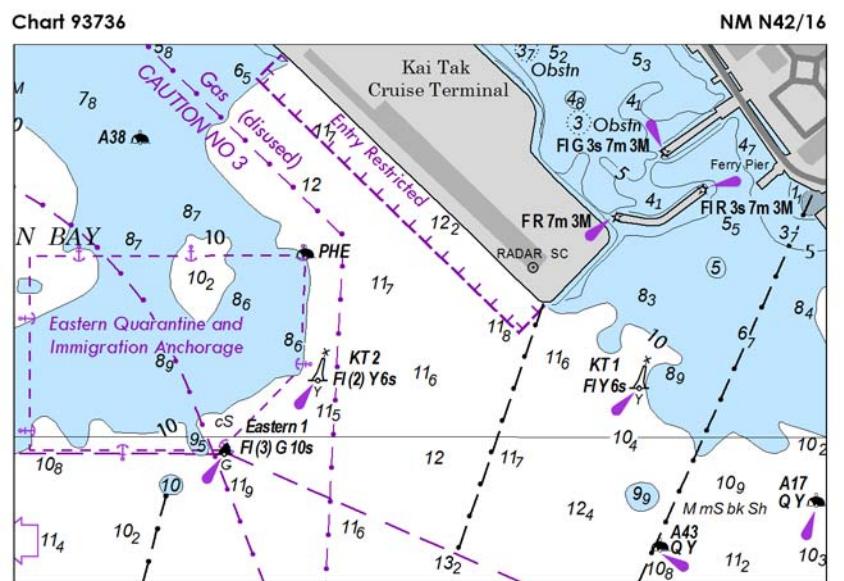
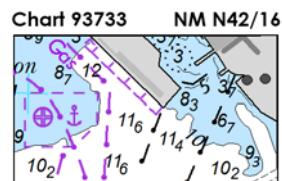
56031	1Ed. 8/1/92 LAST NM 25/16 Add Depth 9.5 meters Wk [K26] (11(117)16 Brest)	42/16 33°56.3'N 35°34.7'E	93101 3Ed. 6/3/06 LAST NM 37/15 Relocate Buoy from 3°32.4'N 103°28.7'E to (69/16 Malaysia)	42/16 3°32.4'N 103°28.9'E
56043	6Ed. 6/29/96 LAST NM 39/13 Add Depth 9.5 meters Wk [K26] Depth 21.5 meters Wk [K26] (11(117)16 Brest)	42/16 33°56'15"N 35°34'41"E 33°56'04"N 35°33'54"E	93110 2Ed. 8/18/01 LAST NM 4/16 Relocate Buoy from 3°32.4'N 103°28.7'E to (69/16 Malaysia)	42/16 3°32.4'N 103°28.9'E
56045	1Ed. 4/9/05 LAST NM 34/12 Delete Depth 24 meters	42/16 33°56'04.6"N 35°33'49.9"E	93113 3Ed. 8/30/08 LAST NM N4/16 Relocate Buoy from 3°32'27"N 103°28'38"E to (69/16 Malaysia)	N42/16 3°32'21"N 103°28'52"E
	Add Depth 9.5 meters Wk [K26] Depth 21.5 meters Wk [K26] Depth 67 meters Wk [K26]	33°56'15.0"N 35°34'41.4"E 33°56'03.6"N 35°33'54.0"E 33°54'56.4"N 35°30'51.0"E	93733 14Ed. 1/19/08 LAST NM N41/16 Add Chartlet, depicting changes in hydrography, topography and aids to navigation, from Subsection I-2 (13(21)16 Hong Kong)	N42/16 22°18'11"N 114°12'51"E
	(Plan A) Delete Depth 24 meters	33°56'04.6"N 35°33'49.9"E	93736 25Ed. 9/1/07 LAST NM N41/16 Add Chartlet, depicting changes in hydrography, topography and aids to navigation, from Subsection I-2 (13(21)16 Hong Kong)	N42/16 22°18'11.0"N 114°12'47.0"E
	Add Depth 9.5 meters Wk [K26] Depth 21.5 meters Wk [K26] Depth 67 meters Wk [K26] (11(117)16 Brest)	33°56'15.0"N 35°34'41.4"E 33°56'03.6"N 35°33'54.0"E 33°54'56.4"N 35°30'51.0"E		
62241	11Ed. 12/1/12 LAST NM N5/16 Relocate Buoy "H" from 21°29'13.2"N 39°08'41.2"E to Buoy "E" from 21°28'47.1"N 39°08'19.5"E to Buoy "F" from 21°28'54.9"N 39°08'13.6"E to Buoy "G" from 21°29'05.2"N 39°08'47.1"E to Add Buoy "F1" R, can Buoy "G1" G, conical (14(1645)16 Taunton)	N42/16 39°08'41.2"E to 21°29'13.6"N 39°08'42.0"E 39°08'19.5"E to 21°28'48.0"N 39°08'23.7"E 39°08'13.6"E to 21°28'50.0"N 39°08'07.3"E 39°08'47.1"E to 21°29'04.3"N 39°08'50.3"E 21°29'04.3"N 39°08'27.8"E 21°29'02.0"N 39°08'43.1"E	*96379 1Ed. 5/13/89 CHART CANCELED (NTM0015/2016)	42/16
62242	12Ed. 3/30/13 LAST NM N5/16 Add Legend "Port Development in Progress (2016)" centered Pilot station symbol [T1.2] with legend "Al Hazem" (29(3644)16 Taunton)	N42/16 21°11'20"N 39°08'46"E 21°08'00"N 39°06'30"E	*96381 2Ed. 6/10/89 CHART CANCELED (NTM0015/2016)	42/16
63352	6Ed. 4/19/97 LAST NM 33/15 Add Buoy, conical	42/16 20°06'58"N 92°54'57"E	*96382 2Ed. 7/22/89 CHART CANCELED (NTM0015/2016)	42/16
	(Plan) Add Buoy, conical (27/16 Rangoon)	20°06'58.0"N 92°54'57.1"E	*96401 1Ed. 5/27/89 CHART CANCELED (NTM0015/2016)	42/16
63413	6Ed. 3/24/07 LAST NM N30/16 Delete Buoy "Intermediate" (See N4/16-63413)	N42/16 16°23'31.1"N 96°21'11.4"E	*96441 1Ed. 5/27/57 CHART CANCELED (NTM0015/2016)	42/16
	Add Buoy "Centre Middle Bank" G, pillar, cone topmark, Fl G 2s Buoy "Intermediate" G, pillar, cone topmark, Fl G 2s (33/16 Rangoon)	16°28'37.2"N 96°19'04.8"E 16°23'15.0"N 96°21'09.6"E	*96521 3Ed. 3/21/98 CHART CANCELED (NTM0015/2016)	42/16
63417	3Ed. 4/7/07 LAST NM N30/16 Delete Buoy "Intermediate" (See N4/16-63417)	N42/16 16°23'31"N 96°21'11"E	*96764 3Ed. 6/14/03 CHART CANCELED (NTM0015/2016)	42/16
	Add Buoy "Centre Middle Bank" G, pillar, cone topmark, Fl G 2s Buoy "Intermediate" G, pillar, cone topmark, Fl G 2s (33/16 Rangoon)	16°28'37"N 96°19'05"E 16°23'15"N 96°21'10"E	97140 17Ed. 6/28/97 LAST NM 41/16 Delete Light Change Visibility (range) of light to 5M Visibility (range) of light to 5M Add Light F Fl G 6s 5/2M Submarine cable [L30.1] joining Danger circle [K1] "Wave meter" Fish haven symbol [K46.1] (8(310)09, 28(548), 38(738)12 Tokyo; Jpn LL)	42/16 35°05.9'N 138°33.4'E 35°08.1'N 138°42.0'E 35°08.0'N 138°41.8'E 35°06.0'N 138°33.6'E 34°56.9'N 138°25.9'E 34°56.3'N 138°25.7'E 34°54.7'N 138°26.6'E 34°54.7'N 138°26.6'E 34°56.6'N 138°45.9'E
71251	13Ed. 8/9/08 LAST NM N34/16 (Panel A) Relocate Buoy "TLSSP" from 1°25'48.0"N 104°00'36.0"E to 1°25'45.6"N 104°00'34.2"E	N42/16	*97159 6Ed. 8/3/91 LAST NM 22/10 Delete Purple outline of chart 97164 Light Change Visibility (range) of light to 5M Visibility (range) of light to 5M Visibility (range) of light to 4M Light to Fl G 3s 5M Add Solid line (breakwater) [F4.1] joining	42/16 34°53'03"N 138°27'34"E 35°05'56"N 138°33'28"E 35°08'07"N 138°42'00"E 35°08'04"N 138°41'53"E 34°58'15"N 138°46'36"E 35°02'54"N 138°53'47"E 35°05'48"N 138°33'14"E 35°05'47"N 138°33'24"E 35°05'59"N 138°33'34"E
	(Panel B) Relocate Buoy "TLSSP" from 1°25'48.0"N 104°00'36.0"E to 1°25'45.6"N 104°00'34.2"E (62/16 Malaysia)			(continued on next page)

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97159	(Continued)			
Add	Light F Fl G 6s 5/2M	35°05'59"N 138°33'34"E		
	Submarine cable [L30.1] joining	34°56'51"N 138°25'53"E 34°56'16"N 138°25'41"E 34°54'41"N 138°26'35"E		
	Danger circle[K1] "Wave meter" Fish haven symbol [K46.1] (NTM0015/2016; 8(310)09, 28(548), 33(660), 38(738)12 Tokyo; Jpn LL)	34°54'41"N 138°26'35"E 34°56'37"N 138°45'53"E		
★801887	2Ed. 9/25/93 CHART CANCELED Replaced by 803687 (NGA)	N42/16		
801925	1Ed. 3/25/89 LAST NM N30/16	N42/16		
Add	Marine reserve area [N22.3] bound by shore and purple composite line joining 12°43'03"N 61°18'41"W 12°41'33"N 61°18'41"W 12°41'33"N 61°19'42"W			
	(9(1137)16 Taunton)			
★803687	1Ed. 5/28/16 NEW CHART (NGA)	N42/16		
★809101	1Ed. 5/28/16 NEW CHART (NGA)	N42/16		

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SECTION I

NM 42/16

Chart 14839

NM 42/16

CLEVELAND HARBOR CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF OCT 2015 AND SURVEYS TO OCT 2015						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)					PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	RIGHT INSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET) LENGTH (FEET) DEPTH LWD (FEET)
CLEVELAND HARBOR HARBOR ENTRANCE	25.8	28.5	27.1	22.8	9,10-15	600-700 1150 29
BASINS & CUYAHOGA RIVER ENTRANCE	23.4	26.9	27.7	24.8	9,10-15	230-760 1200 28
WEST BASIN						
MAIN SECTION	18.9	22.9	22.2	13.0	9,10-15	800-1560 4400 28
WESTERLY 400 FEET	14.5	13.2	12.3	10.1	9,10-15	330-800 400 28
EAST BASIN						
WEST SECTION (A)	16.9	23.3	26.6	16.7	9,10-15	1560 1300 28
MIDDLE SECTION (A)	12.1	20.5	21.2	19.8	9,10-15	1270-1560 3800 27
EAST SECTION (B)	18.7	22.0	21.9	13.8	9,10-15	500 14600 25
NICHOLSON APPROACH	22.4	22.4	22.2	22.0	9,10-15	400-1600 1300 25
A. TRAFFIC FLOWS IN EAST BASIN FROM WEST TO EAST. B. TRAFFIC FLOWS IN EAST BASIN FROM EAST TO WEST. NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION						

Chart 14843

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HURON HARBOR CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO OCT 2015 AND REPORTS TO OCT 2015						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)					PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (FEET) DEPTH LWD (FEET)
LAKE APPROACH CHANNEL	22.1	22.6	22.7	10-15	400	8400* 29.0
ENTRANCE CHANNEL:						
FROM LAKE APPROACH CHANNEL TO END OF THE EAST BREAKWATER	14.9	17.1	21.9	10-15	400-300	700 29.0
FROM END OF EAST BREAKWATER TO SLIP #1	14.6	17.3	6.6	10-15	300-150	1900 28.0
HURON RIVER CHANNEL	14.6	14.9	17.5	10-15	120-350	1500 27.0
TURNING BASIN	9.6	9.6	9.6	10-15	0-400	600 21.0
* LENGTH VARIES DEPENDING ON THE LOCATION OF THE 29 FOOT CONTOUR IN LAKE ERIE. NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION						

Chart 18581

NM 42/16

YAQUINA BAY AND RIVER CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 2016						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH MILES DEPTH MLLW (FEET)
YAQUINA BAY HARBOR ENTRANCE	25	28	30	7-16	400-300	1.5 40-30
ENTRANCE TO TURNING BASIN	23	28	27	3-16	300	1.5 30
TURNING BASIN	15	21	23	3-16	1200	0.3 30
SOUTH BEACH MARINA HARBOR	6	5	6	4-16	100	0.4 10
THE MUD FLATS	11	11	12	3-16	200	2.0 18
YAQUINA RIVER						
WEISER POINT TO JOHNSON SLOUGH	9	9	8	3-16	150	3.1 10
FLEISHER SLOUGH TO NUTE SLOUGH	8	8	8	3-16	150	2.7 10
AMUNDSON SLOUGH TO TOLEDO	4	7	0	3-16	150	3.2 10
TOLEDO TO MI. 14.5	6	7	7	3-16	150	1.0 10
DEPOT SLOUGH	2	3	1	2-16	200	0.4 10
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION						

SECTION I

NM 42/16

Chart 18584

NM 42/16

UMPQUA RIVER CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2016						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (MILES) DEPTH MLLW (FEET)
UMPQUA RIVER ENTRANCE					—	1.2 26
ENTRANCE CHANNEL	22	25	25	7-16	—	1.2 26
UMPQUA RIVER TURN	19	20	20	7-16	200	1.3 22
SALMON HARBOR REACH	22	19	18	8-16	200	2.1 22
BARRETT'S RANGE	18	19	18	3-16	200	2.0 22
MILE SIX BAR	21	20	18	4-16	200	2.2 22
CANNERY SANDS						
JCT TO LEEDS ISLAND LIGHT	13	13	12	4-16	200	1.6 22
GARDINER CHANNEL	10	10	2	4-16	200	1.2 22
TURNING BASIN	4	2	1	4-16	—	0.2 22
REEDSPORT REACH						
CHANNEL (9.65-10.8)	15	15	15	4-16	200	1.15 22
TURNING BASIN	19	26	22	4-16	600	0.2 22
CHANNEL (11.0-11.8)	12	12	3	4-16	200	0.8 22
WINCHESTER BAY						
WEST CHANNEL	8	11	11	10-15	100	0.8 16
EAST CHANNEL (0.0-0.7)	13	15	14	10-15	100	0.7 16
EAST CHANNEL (0.7-0.9)	8	3	2	10-15	75	0.2 12
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION						

Chart 18588

NM 42/16

COQUILLE RIVER CHANNEL TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2016						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS	
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (MILES) DEPTH MLLW (FEET)
ENTRANCE TO PORT DOCK	13	13	8	8-16	200	0.7 13.0
PORT DOCK TO MILE 1.3	10	13	14	8-16	150	0.5 13.0
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION						

SECTION II
NGA/DLIS CATALOG CORRECTIONS

NM 42/16

NGA Ref. No. (National Stk. No.)	Title	Scale = 1:	Edition		Price Category	NTM
			No.	Date		
REGION 2						
21BHA21482 (7642014008090)	Canceled					42/16
24AHA24414 (7642014011940)	Canceled					42/16
25XHA25525 (7642014012066)	Canceled					42/16
25XHA25565 (7642014012062)	Canceled					42/16
REGION 4						
43BHA43184 (7642014012772)	Canceled					42/16
43BHA43206 (7642014011184)	Canceled					42/16
43XHA43345 (7642014012812)	Canceled					42/16
43AHA43356 (7642014012691)	Canceled					42/16
43AHA43362 (7642014012692)	Canceled					42/16
43BHA43365 (7642014012786)	Canceled					42/16
43BHA43366 (7642014012787)	Canceled					42/16
43XHA43377 (7642014012818)	Canceled					42/16
REGION 9						
96BHA96379 (7642014007576)	Canceled					42/16
96BHA96381 (7642014014262)	Canceled					42/16
96BHA96382 (7642014014263)	Canceled					42/16
96BHA96401 (7642014009341)	Canceled					42/16
96BHA96441 (7642014014258)	Canceled					42/16
96AHA96521 (7642014014253)	Canceled					42/16
96XHA96764 (7642014014274)	Canceled					42/16
MISCELLANEOUS CHARTS AND PUBLICATIONS						
COMBT801887 (7642014014715)	Canceled Replaced by LPCXX803687					42/16
LPCXX803687 (7642016176440)	Ra's al Madrakah - West, Oman Exercise Area 18 42 00N 56 55 00E 19 00 00N 57 25 00E	50,000	1	5/16	DS	42/16

SECTION II
NGA/DLIS CATALOG CORRECTIONS

Note: Underlining indicates that column in which a correction has been made or new information added.				Edition		Price Category	NTM
NGA Ref. No. (National Stk. No.)	Title	Scale = 1:	No.	Date			
LPCXX809101 <u>(7642015788440)</u>	Mirbat <u>16 49 00N 54 24 00E</u> <u>17 09 00N 55 03 00E</u>	50.000	1	5/16	DS	42/16	

Price Categories effective 1 October 2016

A 24.25	D 15.00	E 12.50	F 12.50	G 8.00	H 12.50
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CHS Canadian Hydrographic Service

DS Distribution Limited

GPO Government Printing Office

NOS National Ocean Service

UKHO United Kingdom Hydrographic Office

DHO Danish Hydrographic Office

AHS Australian Hydrographic Service

JCG Japan Coast Guard

* Not for sale or reproduction outside U.S.A.

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Civilian users can obtain information about ordering NGA paper charts at: <http://www.nauticalcharts.noaa.gov/staff/charts.htm>.

SECTION II
NAVIGATION PUBLICATIONS

NM 42/16

SAILING DIRECTIONS CORRECTIONS

PUB 157 18 Ed 2015 LAST NM 22/16
 Pub. 157 has been updated to 17 September 2016, including Notice to Mariners 38/2016, and can be downloaded from the NGA Maritime Website:
<http://msi.nga.mil/NGAPortal/MSI.portal>
 (NGA) 42/16

PUB 181 12 Ed 2014 LAST NM 36/15
 Pub. 181 has been updated to 17 September 2016, including Notice to Mariners 38/2016, and can be downloaded from the NGA Maritime Website:
<http://msi.nga.mil/NGAPortal/MSI.portal>
 (NGA) 42/16

COAST PILOT CORRECTIONS

**COAST PILOT 2 45 Ed 2016 25 SEP 2016
 LAST NM 41/16**

Chapter 6—Paragraphs 142 to 145; read:

(142) Restricted Areas

⁽¹⁴³⁾ Coddington Cove is within a naval restricted area. (See 33 CFR 334.81, chapter 2, for limits and regulations).

⁽¹⁴⁴⁾ <Deleted Paragraph Header>

⁽¹⁴⁵⁾ A naval restricted area covering a large area surrounds Gould Island and extends north to include waters between Conanicut Island and Prudence Island. The regulation states in part that no person or vessel shall at any time, under any circumstances, anchor or fish or tow a drag of any kind in the area because of the extensive cable system located therein. (See 33 CFR 334.80, chapter 2, for limits and regulations.)

(L 541-2016) 42/16

Chapter 9—Paragraph 118; read:

⁽¹¹⁸⁾ Cockenoe Shoal is an extensive and dangerous area which extends 1.3 miles eastward and east-southeastward from Cockenoe Island. The entire area is exceedingly broken and should be avoided by strangers, even in small craft. Cockenoe Reef extends about 0.5 mile eastward from the northern end of Cockenoe Island. Georges Rock, with a least depth of 2 feet, is at the eastern end of the shoal; a lighted buoy is off the northeast side of the rock. A lighted bell buoy marks the southeast end of the shoal.

(NOS 12364) 42/16

Chapter 9—Paragraph 120; read:

⁽¹²⁰⁾ Cockenoe Harbor, westward of Cockenoe Island, is marked by Peck Ledge Light. The best anchorage is in depths of 9 to 12 feet, northward and northwestward of the light.

(NOS 12364) 42/16

**COAST PILOT 6 46 Ed 2016 25 SEP 2016
 LAST NM 41/16**

Chapter 9—Paragraph 110.01; read:

^(110.01) Two unmarked fish havens, constructed as artificial spawning reefs, are on the west side of the river about 1 mile north of the Detroit Edison powerplant. Authorized minimum depths are 35 feet for the southern reef and 37 feet for the northern reef.

(L 373-2016; LNM 28/16 CG9) 42/16

**COAST PILOT 7 48 Ed 2016 25 SEP 2016
 LAST NM 41/16**

Chapter 12—Paragraph 12; read:

⁽¹²⁾ The lighted whistle buoy marking the precautionary areas west-northwest of Cape Flattery and the lighted buoy marking the precautionary area between Race Rocks and Port Angeles are equipped with RACONs. These buoys assist in the separation of inbound and outbound vessels transiting the Strait of Juan de Fuca and eliminating, as much as possible, the cross vessel traffic that can occur between the entrance to the Strait of Juan de Fuca at Cape Flattery and the pilot stations at Port Angeles and Victoria, British Columbia. It is recommended that all vessels navigate so as to leave these buoys to port.

(LN 35/16 CGD13) 42/16

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME I ATLANTIC COAST, 2016

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
24762	Pine Creek Point Aquaculture Lighted Buoys (4)	41-06-49.20N 73-15-14.00W	Fl Y 4s			Yellow.	Marks aquaculture farm. Maintained from Mar 15 to Dec. 15. Private aid.
			*				42/16
31220	- LIGHT 29	40-37-15.62N 73-25-00.05W	Fl G 4s	12	4	SG on pile.	
		*					42/16
34280	Rutgers University Lighted Research Buoy JB2-RP						Remove from list.
			*				42/16
34737	Rutgers University Lighted Research Buoy JB1-CP						Remove from list.
			*				42/16

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II ATLANTIC COAST, 2016

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
975	- Buoy 16	39-45-41.29N 74-06-44.04W				Red nun.	
		*					42/16
1015	- Buoy 25	39-46-27.92N 74-06-57.99W				Green can.	
		*					42/16
1025	- Buoy 27	39-46-41.03N 74-07-05.64W				Green can.	
		*					42/16
2490	- LIGHT 2	39-27-24.78N 75-33-26.52W	Fl R 2.5s	21	6	TR on pile.	
		*					42/16
12940	- CHANNEL LIGHT 8	37-06-42.02N 76-17-24.27W	Fl R 4s	15	4	TR on multi-pile structure.	Light equipment removed from Dec. 1 to Mar. 15.
			*				42/16
13250	Quarter Marsh Creek Entrance Warning Daybeacon A						Remove from list.
			*				42/16
13255	Quarter Marsh Creek Entrance Warning Daybeacon B						Remove from list.
			*				42/16
*Delete Heading: Aberdeen Creek							
13890	- Warning Daybeacon						Remove from list.
			*				42/16
13895	- Warning Daybeacon						Remove from list.
			*				42/16
13900	- Warning Daybeacon A						Remove from list.
			*				42/16
13905	- Warning Daybeacon						Remove from list.
			*				42/16
13910	- Warning Daybeacon B						Remove from list.
			*				42/16

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.
Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II ATLANTIC COAST, 2016

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
14490	- LIGHT 10	37-21-27.95N 76-16-10.34W	Fl R 2.5s	15	4	TR on multi-pile structure.	
				*			42/16
14525	- CHANNEL LIGHT 1WH	37-21-54.45N 76-14-44.42W	Fl G 2.5s	15	4	SG on pile.	
				*			42/16
*21363	Baltimore Inner Harbor Buoy 2	39-16-40.66N 76-35-44.80W				Red nun.	Private aid.
							42/16
*21363.1	Baltimore Inner Harbor Buoy 4	39-16-40.70N 76-35-57.62W				Red nun.	Private aid.
							42/16
*21363.2	Baltimore Inner Harbor Buoy 5	39-16-36.90N 76-35-59.92W				Green can.	Private aid.
							42/16
*21363.3	Baltimore Inner Harbor Buoy 6	39-16-50.13N 76-36-09.38W				Red nun.	Private aid.
							42/16
22475	- Buoy 6	37-55-10.31N 75-43-48.97W				Red nun.	Removed when endangered by ice.
	*	*			*		*
23410	- Lighted Wreck Buoy WR6 Marks submerged pile.	38-05-34.34N 75-51-35.21W	Q R		4	Red.	
	*	*	*		*	*	
23495	- CHANNEL LIGHT 2LT	38-07-21.88N 75-57-18.66W	Fl R 4s	15	4	TR on pile.	
	*						42/16
25125	- CHANNEL LIGHT 31	38-34-41.53N 76-01-31.90W	Fl G 4s	15	3	SG on pile.	
					*		42/16
25480	- LIGHT 16	38-44-18.71N 76-07-12.90W	Fl R 4s	15	4	TR on pile.	
					*		42/16
28925	- Buoy 7	35-04-00.28N 76-00-42.48W				Green can.	
	*						42/16
29060	- Daybeacon 9B	35-08-47.16N 76-00-27.30W				SG on pile.	
	*						42/16
29070	- Daybeacon 10A	35-08-48.12N 76-00-23.94W				TR on pile.	
	*						42/16
30265	- Buoy 1	34-04-45.46N 77-51-40.88W				Green can.	
	*						42/16
30275	- Buoy 3	34-04-53.25N 77-52-00.92W				Green can.	
	*						42/16
*31981	Pea Island Oyster Sanctuary Daybeacon A	35-40-05.22N 75-36-49.26W				NW on multi-pile structure worded ROCK.	Private aid.
							42/16
*31981.1	Pea Island Oyster Sanctuary Daybeacon B	35-39-53.58N 75-36-49.26W				NW on multi-pile structure worded ROCK.	Private aid.
							42/16

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Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II ATLANTIC COAST, 2016

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*31981.2	Pea Island Oyster Sanctuary Daybeacon C	35-39-53.58N 75-37-03.48W				NW on multi-pile structure worded ROCK.	Private aid. 42/16
*31981.3	Pea Island Oyster Sanctuary Daybeacon D	35-40-05.22N 75-37-03.48W				NW on multi-pile structure worded ROCK.	Private aid. 42/16
*33516	Raccoon Island Oyster Sanctuary Daybeacon A	35-05-28.56N 76-23-24.24W				NW on multi-pile structure worded ROCK.	Private aid. 42/16
*33516.1	Raccoon Island Oyster Sanctuary Daybeacon B	35-05-22.08N 76-23-24.24W				NW on multi-pile structure worded ROCK.	Private aid. 42/16
*33516.2	Raccoon Island Oyster Sanctuary Daybeacon C	35-05-22.08N 76-23-32.22W				NW on multi-pile structure worded ROCK.	Private aid. 42/16
*33516.3	Raccoon Island Oyster Sanctuary Daybeacon D	35-05-28.56N 76-23-32.22W				NW on multi-pile structure worded ROCK.	Private aid. 42/16
*33624	Cedar Bay Oyster Sanctuary Daybeacon A	35-02-41.46N 76-30-47.58W				NW on multi-pile structure worded ROCK.	Private aid. 42/16
*33624.1	Cedar Bay Oyster Sanctuary Daybeacon B	35-02-32.22N 76-30-47.88W				NW on multi-pile structure worded ROCK.	Private aid. 42/16
*33624.2	Cedar Bay Oyster Sanctuary Daybeacon C	35-02-32.46N 76-30-59.10W				NW on multi-pile structure worded ROCK.	Private aid. 42/16
*33624.3	Cedar Bay Oyster Sanctuary Daybeacon D	35-02-41.70N 76-30-58.80W				NW on multi-pile structure worded ROCK.	Private aid. 42/16
33801	Dawson Creek Entrance Buoy 4						Remove from list. *
39225	- Buoy 63	34-35-46.52N 77-14-35.96W				Green can with yellow square.	*
	*					*	42/16

CORRECTIONS TO C. G. LIGHT LIST, VOLUME III ATLANTIC AND GULF COAST, 2016

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
6270	BRUNSWICK HARBOR RANGE FRONT LIGHT	31-09-06.17N 81-30-02.34W	Q R	14		KRW on dolphin.	Visible 1.5° each side of range line. 42/16
11060	- Daybeacon 16	25-23-02.15N 80-13-19.88W		*		TR on pile.	 42/16
11215	- LIGHT 6	25-19-56.92N 80-15-14.19W	FI R 4S	12	5	TR on pile.	 42/16

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.
Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME III ATLANTIC AND GULF COAST, 2016

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
15855	- Daybeacon 44						Remove from list. * 42/16
15860	- Daybeacon 45						Remove from list. * 42/16
15865	- Buoy 47						Remove from list. * 42/16
15875	- Daybeacon 50						Remove from list. * 42/16
15890	- Daybeacon 55						Remove from list. * 42/16
15895	- Daybeacon 57						Remove from list. * 42/16
15900	- Daybeacon 59						Remove from list. * 42/16
15910	- Daybeacon 62						Remove from list. * 42/16
15920	- Daybeacon 64						Remove from list. * 42/16
15925	- Daybeacon 65						Remove from list. * 42/16
15930	- Daybeacon 67						Remove from list. * 42/16
15935	- Daybeacon 68						Remove from list. * 42/16
15945	- Daybeacon 70						Remove from list. * 42/16
49695	SANDS KEY LIGHT 3	25-31-14.48N 80-11-34.48W	Fl G 2.5s	16	5	SG on dolphin.	
					*		42/16
49705	- LIGHT 3	25-31-17.53N 80-14-19.45W	Fl G 4s	16	5	SG-SY on pile.	
					*		42/16
49720	- LIGHT 6	25-31-00.14N 80-14-21.91W	Fl R 4s	16	5	TR-TY on pile.	
					*		42/16
50110	RUBICON KEYS LIGHT 8	25-24-01.52N 80-15-18.85W	Fl R 2.5s	16	5	TR-TY on pile.	
					*		42/16

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV GULF OF MEXICO, 2016

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*1445	FR-TX-58 Special Lighted Buoy	26-16-32.71N 97-02-19.84W	Fl Y 2.5s			Marks artificial reef.	Private aid.
							42/16
6485	- Lighted Buoy 47 300 feet outside channel limit	30-26-14.87N 88-00-54.80W	Fl G 2.5s		4	Green.	
	*	*	*	*	*	*	42/16

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.
Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV GULF OF MEXICO, 2016

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
6525	- Lighted Buoy 52 200 feet outside channel limit.	30-27-53.03N 88-00-51.85W	Fl R 2.5s	*	4	Red.	*
	*	*	*	*	*	*	42/16
6550	- Lighted Buoy 55 200 feet outside channel limit.	30-29-22.31N 88-01-10.49W	Fl G 4s	*	4	Green.	*
	*	*	*	*	*	*	42/16
9572.01	- V-AIS 25	29-58-18.25N 89-00-06.21W				AIS: MMSI 993682030.	
	*						42/16
9572.02	- V-AIS 24	29-59-17.67N 89-00-04.98W				AIS: MMSI 993682029.	
	*						42/16
9572.04	- V-AIS 22	30-00-17.02N 89-00-01.48W				AIS: MMSI 993682092.	
	*						42/16
9572.07	- V-AIS 19	30-01-16.24N 88-59-55.71W				AIS: MMSI 993682090.	
	*						42/16
9572.09	- V-AIS 17	30-02-15.58N 88-59-52.20W				AIS: MMSI 993682089.	
	*						42/16
9572.11	- V-AIS 16	30-03-14.97N 88-59-50.98W				AIS: MMSI 993682088.	
	*						42/16
9572.14	- V-AIS 13	30-04-14.19N 88-59-45.20W				AIS: MMSI 993682086.	
	*						42/16
9572.15	- V-AIS 12	30-05-13.60N 88-59-43.97W				AIS: MMSI 993682085.	
	*						42/16
9572.18	- V-AIS 9	30-06-12.90N 88-59-38.18W				AIS: MMSI 993682084.	
	*						42/16
9572.22	- V-AIS 6	30-08-11.46N 88-59-33.45W				AIS: MMSI 993682083.	
	*						42/16
9572.25	- V-AIS 3	30-09-10.77N 88-59-27.66W				AIS: MMSI 993682082.	
	*						42/16
11672.01	- V-AIS 105	29-25-51.06N 89-18-07.20W				AIS: MMSI 993682080.	
	*						42/16
11672.02	- V-AIS 104	29-26-44.99N 89-17-38.60W				AIS: MMSI 993682079.	
	*						42/16
11672.04	- V-AIS 102	29-27-37.97N 89-17-08.01W				AIS: MMSI 993682077.	
	*						42/16
11672.07	- V-AIS 99	29-28-30.10N 89-16-35.36W				AIS: MMSI 993682075.	
	*						42/16
11672.08	-V-AIS 98	29-29-23.99N 89-16-06.75W				AIS: MMSI 993682074.	
	*						42/16

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.
Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV GULF OF MEXICO, 2016

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
11672.11	- V-AIS 96	29-30-17.02N 89-15-36.10W	*				AIS: MMSI 993682073. 42/16
11672.13	- V-AIS 94	29-31-10.00N 89-15-05.46W	*				AIS: MMSI 993682071. 42/16
11672.16	- V-AIS 91	29-32-02.12N 89-14-32.78W	*				AIS: MMSI 993682069. 42/16
11672.17	- V-AIS 90	29-32-55.42N 89-14-02.80W	*				AIS: MMSI 993682068. 42/16
11672.19	-V-AIS 88	29-33-26.96N 89-13-43.17W	*				AIS: MMSI 993682067. 42/16
11672.23	- V-AIS 84	29-34-00.41N 89-13-12.35W	*				AIS: MMSI 993682064. 42/16
11672.26	- V-AIS 81	29-34-31.30N 89-12-28.02W	*				AIS: MMSI 993682062. 42/16
11672.28	- V-AIS 79	29-35-03.65N 89-11-45.20W	*				AIS: MMSI 993682060. 42/16
11672.31	- V-AIS 77	29-35-42.50N 89-10-53.77W	*				AIS: MMSI 993682059. 42/16
11672.32	- V-AIS 76	29-36-22.84N 89-10-03.81W	*				AIS: MMSI 993682058. 42/16
11672.34	- V-AIS 74	29-37-01.60N 89-09-12.45W	*				AIS: MMSI 993682056. 42/16
11672.37	- V-AIS 71	29-37-38.97N 89-08-19.45W	*				AIS: MMSI 993682054. 42/16
11672.39	- V-AIS 69	29-38-17.79N 89-07-27.99W	*				AIS: MMSI 993682053. 42/16
11672.43	- V-AIS 65	29-39-32.93N 89-05-48.81W	*				AIS: MMSI 993682050. 42/16
11672.45	- V-AIS 62	29-41-20.93N 89-05-08.86W	*				AIS: MMSI 993682049. 42/16
11672.74	- V-AIS 30	29-56-19.75N 89-00-15.47W	*				AIS: MMSI 993682032. 42/16
11695	- PIPELINE LIGHT 25A (B-1)						Remove from list. *
11700	- PIPELINE LIGHT 26 (B-2)						Remove from list. *

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.
 Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV GULF OF MEXICO, 2016

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
28775	- CUT B WEST RANGE REAR LIGHT 2,600 yards, 269.7° from front light.	27-48-36.58N 97-25-00.68W	F G	101		KRW on skeleton tower, located on south side of harbor entrance. *	Visible 5° each side of range line. 42/16
28840	- A RANGE REAR LIGHT 616 yards, 066.8° from front light.	27-49-37.01N 97-25-56.27W	F G	63		KRW on skeleton tower on mud sills. *	Lighted throughout 24 hours. 42/16
28860	- C RANGE FRONT LIGHT	27-48-52.55N 97-27-14.38W	Q G	35		KRW on skeleton tower. *	Lighted throughout 24 hours. 42/16
28865	- C RANGE REAR LIGHT 175 yards, 102.2° from front light.	27-48-51.41N 97-27-08.68W	Iso G 6s	45		KRW on skeleton tower on mud sills. *	Lighted throughout 24 hours. 42/16
28880	- E RANGE REAR LIGHT 206 yards, 116.7° from front light.	27-48-59.16N 97-28-12.74W	Iso G 6s	37		KRW on skeleton tower on mud sills. *	Lighted throughout 24 hours. 42/16

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2016

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
9520	- CHANNEL LIGHT 14	43-59-22.34N 124-07-15.88W	Fl R 4s	15	4	TR on pile. *	42/16
15485	Stanley Point Junction Daybeacon	46-27-40.45N 123-56-14.46W				JR on pile. *	* 42/16
15515	- LIGHT 11	46-38-51.06N 123-57-05.53W	Fl G 4s	18	5	SG on dolphin. *	Ra ref. * 42/16

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII GREAT LAKES, 2016

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
10115	- Light	43-25-44.43N 82-32-24.71W	Fl W 2.5s	69 21	14	White octagonal tower. 69 *	42/16
19525	- SOUTH PIERHEAD LIGHT	42-06-54.96N 86-29-39.40W	Iso R 6s	25 8	7		*
21490	Seul Choix Point Light	45-55-17.08N 85-54-43.14W	Fl W 6s	80 24	13	80 *	42/16

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.
Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO PUB 110, LIST OF LIGHTS, 2016 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
16656 J 6146	Punta Arenas del Norte.	8° 33.3' N 76° 56.2' W	Fl.(2+1)W. period 8s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 0.5s fl. 1.5s, ec. 4.5s	66 20	10	White metal tower, red bands; 59.	*
16660 J 6145	Punta Caribana.	8° 37.4' N 76° 53.3' W	Fl.(2)W. period 8s fl. 1s, ec. 2s fl. 1s, ec. 4s	276 84	10	White tower, red bands; 7.	*
16664 J 6152	Isla Fuerte.	9° 23.5' N 76° 10.7' W	Fl.(3)W. period 10s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 5.2s	144 44	17	White metal framework tower, red bands; 108.	*

42/16

42/16

42/16

CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2015 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
14564 N 3834	-Dhiorix Levkadhos, N. mole, head.						Remove from list.
15728 N 4311	-Limin Ermoupolis, N. breakwater, head.	37° 26.2' N 24° 56.8' E	Fl.G. period 3s fl. 1s, ec. 2s	26 8	9	Metal framework structure, gallery, metal column, green band; 26.	*
*19369 N 5782.5	Mitikayasi Br, breakwater, head.	41° 00.9' N 40° 21.7' E	Fl.R. period 5s	26 8	3	Concrete tower; 3.	42/16
*19370 N 5782.6	-S. breakwater.	41° 01.0' N 40° 21.7' E	Fl.G. period 5s	26 8	5	Concrete tower; 3.	42/16

42/16

42/16

42/16

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.
 Denotes a new entry when preceding the station number.

SECTION III

NM 42/16

BROADCAST WARNINGS

Details concerning the particulars of the broadcasting of radio navigational warnings may be found in Radio Navigational Aids, Pub. 117.

NAVAREA IV

Messages in force 050930Z October 2016:

2012 series	2015 series	893(24)	466(24)	660(26,28)	817(24)
286(GEN)	259(11)	912(28)	501(26,28)	697(25)	819(24)
610(GEN)	443(38)	917(24,26)	503(26,28)	713(15)	822(11)
2013 series	446(28)	1084(28)	505(26,28)	731(15)	830(14)
286(24)	545(28)	25(26,27)	526(26,28)	773(28)	832(24)
2014 series	604(25)	25(26,27)	572(24)	778(GEN)	834(GEN)
104(28)	805(15,38)	49(25)	591(28)	793(24)	845(GEN)
116(28)	806(15,38)	104(24)	607(28)	798(24)	
408(14)	828(26)	120(24)	641(14)	804(27,28)	
836(28)	839(26)	324(24)	657(11)	805(28)	
1079(24)	846(26)	382(28)	659(28)	815(25)	

The summary of all NAVAREA IV messages in force as of 16 December 2015 is given in Section III of NM 52/15. Warnings issued during the subsequent quarters are issued in NM 13/16, 26/16 and 39/16.

NAVAREA IV WARNINGS issued from 281330Z September to 050930Z October 2016.

829/16. CANCELED.

830/16(14).

WESTERN NORTH ATLANTIC.

CANADA-EAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 19 OCT
BY M/V ATLANTIC EXPLORER TOWING
8700 METER LONG CABLE IN AREA BOUND BY
47-32N 050-24W, 49-42N 048-13W,
49-58N 049-04W, 49-28N 051-01W,
47-54N 050-41W, 47-32N 050-25W.
WIDE BERTH REQUESTED.

2. CANCEL NAVAREA IV 816/16.
3. CANCEL THIS MSG 20 OCT 16.

(291859Z SEP 2016)

831/16. CANCELED.

832/16(24).

WESTERN NORTH ATLANTIC.

FRENCH GUIANA.

ROCKETS.

1. HAZARDOUS OPERATIONS 2020Z TO 2245Z
DAILY 04 THRU 22 OCT IN AREA BOUND BY
05-18-00N 052-47-40W, 05-22-35N 052-33-83W,
05-11-16N 052-24-63W, 05-09-00N 052-36-00W.
2. CANCEL THIS MSG 222345Z OCT 16.

(300447Z SEP 2016)

833/16. CANCELED.

834/16(GEN).

1. NAVAREA IV WARNINGS IN FORCE 302200Z SEP 16.

2012 SERIES: 286(GEN), 610(GEN).

2013 SERIES: 286(24).

2014 SERIES: 104(28), 116(28), 408(14), 836(28),
1079(24).

2015 SERIES: 259(11), 443(38), 446(28), 545(28),
604(25), 805(15,38), 806(15,38), 828(26), 839(26),
846(26), 893(24), 912(28), 917(24,26), 1084(28).
2016 SERIES: 25(26,27), 49(25), 104(24), 120(24),
324(24), 382(28), 466(24), 487(24), 501(26,28),
503(26,28), 505(26,28), 526(26,28), 572(24),
591(28), 607(28), 641(14), 652(24), 657(11),
659(28), 660(26,28), 677(28), 679(11,27,28),
697(25), 713(15), 731(15), 773(28), 778(GEN),
793(24), 798(24), 804(27,28), 805(28), 815(25),
817(24), 819(24), 822(11), 830(14), 831(GEN),
832(24), 833(24).

2. THE SUMMARY OF ALL NAVAREA IV WARNINGS IN FORCE
AS OF 16 DEC 2015 IS GIVEN IN SEC III OF NM 52/15.
WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS
ARE SUMMARIZED IN NM 13/16, 26/16 and 39/16.

3. CANCEL NAVAREA IV 770/16, 776/16, 783/16, 825/16.

(301615Z SEP 2016)

SECTION III

835/16 thru 844/16. CANCELED.

845/16(GEN).

NORTH AMERICAN ICE SERVICE (NAIS) ICEBERG BULLETIN.

1. 050001Z OCT ICEBERG LIMIT ALONG TRACKLINE JOINING
48-37N 053-04W, 49-30N 052-29W, 54-00N 052-00W.

2. ESTIMATED ICEBERG LIMIT ALONG TRACKLINE JOINING
54-00N 052-00W, 58-00N 057-00W, 60-00N 054-00W,
58-00N 051-00W, 58-00N 040-00W, 64-00N 038-00W,
66-00N 030-00W.

3. WESTERN ICEBERG LIMIT ALONG TRACKLINE BETWEEN
50-15N 060-00W AND 49-26N 058-09W.

4. MOST RECENT RECONNAISSANCE:
INTERIOR ICEBERG FLIGHT 28 SEP 16.

5. REPORT POSITION AND TIME OF ANY ICEBERGS SEA ICE OR
STATIONARY RADAR TARGETS THAT MAY LIKELY BE ICE TO THE
NEAREST CANADIAN COAST GUARD MARINE COMMUNICATIONS AND
TRAFFIC SERVICE STATION OR USING INMARSAT CODE 42.

6. CANCEL THIS MSG 060001Z OCT 16.

(041935Z OCT 2016)

SECTION III

HYDROLANTS

Messages in force 050930Z October 2016:

2011 series	3193(54)	1363(51)	2299(55)	2466(35)	2549(55)
881(56)	3227(52)	1368(23)	2303(36,37)	2469(53)	2550(55)
2012 series	3228(52,53)	1406(23)	2309(57)	2483(37,43)	2553(24)
641(35,43)	2016 series	1424(57)	2321(52)	2486(37)	2554(24)
2501(37)	5(54)	1489(55)	2322(36)	2490(35,36,37)	2555(24)
2013 series	7(54)	1490(37)	2336(51)	2493(57)	2556(24)
1390(55)	8(54)	1520(24)	2349(35)	2499(53)	2558(35)
2044(35)	9(54)	1619(37)	2351(24)	2500(12)	2559(43)
2758(57)	11(54)	1625(35,43)	2358(35,38)	2504(26)	2561(26)
2849(35)	14(54)	1648(35,37,43)	2359(GEN)	2505(57)	2562(55)
2015 series	15(54)	1803(35)	2363(38)	2509(37)	2563(11)
1056(35)	16(54)	1842(24)	2391(51)	2515(53)	2564(56)
1255(57)	18(54)	1914(55)	2396(24)	2517(37)	2566(52,53)
1291(37,43)	19(54)	1936(24)	2399(44)	2521(15)	2567(11,26)
1332(35,43)	34(55)	1952(35,43)	2400(24)	2523(35,43)	2568(52,53,56)
1333(37,43)	698(52)	1992(24)	2401(24)	2526(24)	2570(56)
1467(37,43)	750(35,37,43)	2011(37)	2404(37)	2531(26,27)	2571(55)
1511(36)	776(55)	2076(55)	2416(54)	2533(37)	2573(35)
2148(36)	778(35,43)	2150(55)	2425(53)	2534(35)	2576(35)
2155(37)	791(55)	2159(43)	2428(35)	2535(55)	2577(52,53,56)
2226(37)	792(55)	2179(24)	2429(35)	2537(54)	2578(57,61)
2440(35)	820(55)	2191(35,37,43)	2438(51)	2538(36)	2580(23,29)
2863(35)	861(GEN)	2196(24)	2441(37,43)	2542(24,51,57)	2582(52,56)
2998(36)	880(24)	2202(54)	2443(37)	2543(44)	2584(55)
3024(37)	946(54)	2227(37)	2445(51)	2544(11,26)	2585(55)
3114(36)	1007(24)	2236(55)	2456(51)	2545(55)	2586(24)
3191(54)	1323(24)	2269(36)	2462(52,53,56)	2547(55)	2587(24)
3192(54)	1334(24)	2281(24,51)	2465(53,56)	2548(55)	2589(26)

The summary of all HYDROLANTS in force as of 16 December 2015 is given in Section III of NM 52/15.
Warnings issued during the subsequent quarters are issued in NM 13/16, 26/16 and 39/16.

HYDROLANT WARNINGS issued from 281330Z September to 050930Z October 2016.

2522/16. CANCELED.

2523/16(35,43)

NORTH SEA.
DNC 20, DNC 21.
CHART 43300.

FOG SIGNAL AT PLATFORM 9/13-SPM3, 59-32.0N 001-33.5E INOPERATIVE.

(281857Z SEP 2016)

2524/16 and 2525/16. CANCELED.

2526/16(24).

BRAZIL-EAST COAST.
DNC 01.
CHART 24180.
1. RADIODEACON AT CANAL DOS ABROLHOS LIGHT
17-57.9S 038-41.5W OFF AIR.
2. CANCEL THIS MSG 20 OCT 16.

(290103Z SEP 2016)

2527/16 thru 2530/16. CANCELED.

2531/16(26,27).

WESTERN NORTH ATLANTIC.
OLD BAHAMA CHANNEL.
CUBA.
DNC 15.
15 FOOT LIFERAFT, 4 TO 5 PERSONS ON BOARD,
REQUESTING ASSISTANCE IN 23-20N 079-12W.
VESSELS IN VICINITY REQUESTED TO KEEP A
SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO RCC MIAMI, PHONE: 305 415 6800,
E-MAIL: RCCMIAMI@USCG.MIL.

(291618Z SEP 2016)

2532/16. CANCELED.

2533/16(37).
BAY OF BISCAY.
DNC 08.

1. CABLE OPERATIONS BY M/V CRS REBECCA:
 - A. 02 THRU 04 OCT ALONG TRACKLINE BETWEEN
47-00.00N 005-42.80W AND 46-51.80N 005-49.32W.
 - B. 05 THRU 09 OCT ALONG TRACKLINE BETWEEN
47-01.93N 005-42.21W AND 46-54.37N 006-00.24W.
2. WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 10 OCT 16.

(291839Z SEP 2016)

2534/16(35).
NORTH MINCH.
SCOTLAND-NORTH COAST.
DNC 19.
CHART 35073.
NAVIGATION PROHIBITED UNTIL FURTHER NOTICE
WITHIN 1000 METERS OF 58-16.6N 006-11.6W.

(291947Z SEP 2016)

2535/16(55).
BLACK SEA.
UKRAINE.
GUNNERY.
DNC 10.

1. GUNNERY EXERCISES 0500Z TO 1500Z DAILY
30 SEP THRU 07 OCT IN AREA BETWEEN
44-36N 44-30N AND 035-26E 035-34E.
2. CANCEL THIS MSG 071600Z OCT 16.

(292011Z SEP 2016)

2536/16. CANCELED.

2537/16(54).
AEGEAN SEA.
MISSILES.
DNC 09.

1. HAZARDOUS OPERATIONS 0400Z TO SUNSET DAILY
03 THRU 07 OCT IN AREA BOUND BY
35-36N 024-07E, 36-18N 024-07E,
36-18N 025-59E, 35-35N 025-58E,
35-31N 024-11E.
2. CANCEL THIS MSG 08 OCT 16.

(292125Z SEP 2016)

2538/16(36).
IRISH SEA.
ENGLAND-WEST COAST.
DNC 20.
CHART 36025.
ALL NAVIGATIONAL AIDS AT PLATFORM FSO DOUGLAS OSI,
53-41.0N 003-32.6W INOPERATIVE.

(292359Z SEP 2016)

2539/16 thru 2541/16. CANCELED.

2542/16(24,51,57).
ATLANTIC.
ROCKETS.
DNC 01.

1. HAZARDOUS OPERATIONS:
 - A. 1930Z TO 2245Z DAILY 04 THRU 22 OCT
IN AREA BOUND BY
05-09N 047-28W, 04-38N 047-31W,
04-42N 048-29W, 05-13N 048-27W.
 - B. 1930Z TO 2245Z DAILY 04 THRU 22 OCT
IN AREA BOUND BY
04-55N 045-50W, 04-38N 045-51W,
04-45N 047-34W, 05-03N 047-33W.
 - C. 2028Z TO 2329Z DAILY 04 THRU 22 OCT
IN AREA BOUND BY
01-05N 001-13W, 00-42S 001-26W,
01-06N 017-01W, 02-53N 016-49W.
2. CANCEL THIS MSG 230029Z OCT 16.

(300428Z SEP 2016)

SECTION III

NM 42/16

2543/16(44).

EASTERN BALTIc SEA.
HAZARDOUS OPERATIONS.
DNC 22.

1. HAZARDOUS OPERATIONS 0600Z TO 1500Z DAILY
03 THRU 07 OCT IN AREA BOUND BY
55-37N 020-46E, 55-34N 021-00E,
55-25N 021-00E, 55-22N 020-46E,
55-25N 020-42E, 55-34N 020-42E.
2. CANCEL THIS MSG 071600Z OCT 16.

(300726Z SEP 2016)

2544/16(11,26).

WESTERN NORTH ATLANTIC.
FLORIDA.
DNC 15.

DISTRESS SIGNAL RECEIVED ON 406 MHZ IN
27-15.0N 079-55.2W. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST
IF POSSIBLE. REPORTS TO RCC MIAMI,
PHONE: 305 415 6800, E-MAIL: RCCMIAMI@USCG.MIL.

(301100Z SEP 2016)

2545/16(55).

BLACK SEA.
UKRAINE.
MISSILES. GUNNERY.
DNC 10.

1. HAZARDOUS OPERATIONS 0500Z TO 1700Z DAILY
01 THRU 31 OCT EXCEPT SUNDAYS
IN AREA BOUND BY
44-40.0N 032-10.0E, 44-48.0N 032-05.0E,
45-03.0N 032-17.0E, 44-58.1N 032-31.4E,
44-43.8N 032-49.6E, 44-36.0N 032-36.0E.
2. CANCEL THIS MSG 311800Z OCT 16.

(301430Z SEP 2016)

2546/16. CANCELED.

2547/16(55).

BLACK SEA.
UKRAINE.
GUNNERY.
DNC 10.

1. GUNNERY EXERCISES 0500Z TO 1700Z DAILY
01 THRU 31 OCT EXCEPT SUNDAYS
IN AREA BOUND BY
44-52.8N 032-54.9E, 44-58.0N 033-03.0E,
44-51.6N 033-10.9E, 44-47.5N 033-11.0E,
44-45.0N 033-05.5E.
2. CANCEL THIS MSG 311800Z OCT 16.

(301501Z SEP 2016)

2548/16(55).

BLACK SEA.
UKRAINE.
GUNNERY.
DNC 10.

1. GUNNERY EXERCISES 0500Z TO 1700Z DAILY
01 THRU 31 OCT EXCEPT SUNDAYS
IN AREA BOUND BY
44-29.7N 032-19.6E, 44-38.2N 032-53.0E,
44-27.8N 033-06.6E, 44-05.4N 032-48.4E.
2. CANCEL THIS MSG 311800Z OCT 16.

(301532Z SEP 2016)

2549/16(55).

BLACK SEA.
UKRAINE.
MISSILES. GUNNERY.
DNC 10.

1. HAZARDOUS OPERATIONS 0500Z TO 1700Z DAILY
01 THRU 31 OCT EXCEPT SUNDAYS
IN AREA BOUND BY
45-03.5N 036-17.0E, 44-57.5N 036-23.0E,
44-45.0N 036-24.0E, 44-45.0N 035-50.0E,
45-00.0N 035-50.0E.
2. CANCEL THIS MSG 311800Z OCT 16.

(301550Z SEP 2016)

2550/16(55).

BLACK SEA.

ROMANIA.

DNC 10.

1. OCEANOGRAPHIC OPERATIONS 02 THRU 20 OCT
BY M/V OCEAN SPIRIT VICINITY OF TRACKLINE JOINING
44-25.6N 028-45.9E, 44-25.3N 028-46.2E,
44-25.3N 028-47.7E, 44-29.8N 029-09.6E,
44-29.6N 029-31.4E, 44-04.6N 029-58.6E.
500 METER BERTH REQUESTED.
2. CANCEL THIS MSG 21 OCT 16.

(301620Z SEP 2016)

2551/16 and 2552/16. CANCELED.

2553/16(24).

BRAZIL-SOUTHEAST COAST.

CHART 24160, 24170.

DNC 01.

1. DGPS STATION AT CABO SAO TOME LIGHT 22-02.5S 041-03.2W
OFF AIR.
2. CANCEL THIS MSG 31 OCT 16.

(010100Z OCT 2016)

2554/16(24).

BRAZIL-SOUTH COAST.

DNC 01.

1. SEISMIC SURVEY IN PROGRESS UNTIL 08 OCT
BY M/V POLARCUS ADIRA TOWING 9000 METER
LONG CABLE IN AREA BOUND BY
24-55.5S 044-19.3W, 24-55.5S 044-05.8W,
25-04.3S 043-56.3W, 25-21.6S 043-56.2W,
25-30.8S 044-06.5W, 25-30.8S 044-22.7W,
25-22.4S 044-32.8W, 25-07.1S 044-32.1W.
2. CANCEL HYDROLANT 2480/16.
3. CANCEL THIS MSG 09 OCT 16.

(010113Z OCT 2016)

2555/16(24).

BRAZIL-SOUTHEAST COAST.

DNC 01.

1. SEISMIC SURVEY IN PROGRESS UNTIL 08 OCT
BY M/V BGP CHALLENGER TOWING 12000 METER
LONG CABLE IN AREA BOUND BY
23-46S 039-29W, 24-10S 038-47W,
26-34S 040-13W, 25-51S 041-08W.
2. CANCEL HYDROLANT 2487/16.
3. CANCEL THIS MSG 09 OCT 16.

(010124Z OCT 2016)

2556/16(24).

WESTERN SOUTH ATLANTIC.

BRAZIL-SOUTHEAST COAST.

DNC 01.

1. SEISMIC SURVEY IN PROGRESS UNTIL
08 OCT BY M/V OCEANIC VEGA
TOWING 9300 METER LONG CABLE IN AREA BOUND BY
24-51.65S 043-01.10W, 24-38.40S 042-32.88W,
24-37.80S 041-48.73W, 23-52.60S 040-10.43W,
25-58.65S 039-06.57W, 25-20.65S 037-45.23W,
26-29.75S 037-10.58W, 28-30.15S 041-05.40W.
2. CANCEL HYDROLANT 2478/16.
3. CANCEL THIS MSG 09 OCT 16.

(010132Z OCT 2016)

2557/16. CANCELED.

2558/16(35).

EASTERN NORTH ATLANTIC.

NORTH MINCH.

SCOTLAND-NORTH COAST.

DNC 19, DNC 20.

1. SURVEY OPERATIONS IN PROGRESS UNTIL
202359Z OCT BY EIGHT REMOTE CONTROLLED
VESELS WITHIN 15 MILES OF 58-12N 006-23W.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 210059Z OCT 16.

(010306Z OCT 2016)

SECTION III

NM 42/16

2559/16(43).

NORTH SEA.

DNC 20, DNC 21.

1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE BY M/V SANCO SWIFT TOWING 12
9000 METER LONG CABLES IN AREA BOUND BY
57-18N 001-57E, 57-25N 001-57E,
57-42N 002-54E, 57-36N 002-59E.
WIDE BERTH REQUESTED.
2. CANCEL HYDROLANT 2047/16.

(010318Z OCT 2016)

2560/16. CANCELED.

2561/16(26).

WESTERN NORTH ATLANTIC.

DNC 15, DNC 16.

DISTRESS SIGNAL RECEIVED ON 406 MHZ IN
28-35.6N 077-24.5W. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST
IF POSSIBLE. REPORTS TO RCC MIAMI,
PHONE: 305 415 6800, E-MAIL: RCCMIAMI@USCG.MIL.

(011555Z OCT 2016)

2562/16(55).

BLACK SEA.

UKRAINE.

DNC 10.

CHART 55140.

1. NAVIGATION PROHIBITED UNTIL 10 OCT
IN AREA BOUND BY
44-23.2N 033-46.6E, 44-23.2N 033-47.9E,
44-19.2N 033-47.9E, 44-19.2N 033-43.2E,
44-23.2N 033-43.2E, 44-23.2N 033-44.4E.
2. CANCEL THIS MSG 11 OCT 16.

(011800Z OCT 2016)

2563/16(11).

GULF OF MEXICO.

LOUISIANA.

DNC 15.

ORANGE FLARE SIGHTED VICINITY 28-22.5N 090-14.7W
AT 020335Z OCT. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO RCC NEW ORLEANS, PHONE: 504 365 2533,
FAX: 504 589 6225, E-MAIL: SCCNOLA@USCG.MIL.

(020517Z OCT 2016)

2564/16(56).

EASTERN MEDITERRANEAN SEA.

LIBYA.

DNC 09.

VESSEL REQUESTING ASSISTANCE IN 32-50N 014-26E.
VESSELS IN VICINITY REQUESTED TO KEEP A
SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO
MRCC ROME, INMARSAT-C: 424744220,
PHONE: 3906 5908 4527, 3906 5908 4409,
FAX: 390 6592 2737, 3906 5908 4793,
E-MAIL: ITMRCC@MIT.GOV.IT.

(020615Z OCT 2016)

2565/16. CANCELED.

2566/16(52,53).

WESTERN MEDITERRANEAN SEA.

DNC 08.

VESSEL, BLACK HULL, 13 PERSONS ON BOARD,
UNREPORTED. LAST KNOWN POSITION
37-50.5N 008-31.0E AT 020630Z OCT. VESSELS IN
VICINITY REQUESTED TO KEEP A SHARP
LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO
MRCC ROME, INMARSAT-C: 424744220,
PHONE: 390 6592 4145, 3906 5908 4409,
FAX: 390 6592 2737, 3906 5908 4793,
E-MAIL: ITMRCC@MIT.GOV.IT.

(021530Z OCT 2016)

SECTION III

2567/16(11,26).

WESTERN NORTH ATLANTIC.
 STRAIT OF FLORIDA.
 BAHAMAS TO FLORIDA.
 DNC 15.
 30 FOOT F/V BAD COMPANY, FOUR PERSONS
 ON BOARD, OVERDUE BIMINI (25-44N 079-15W)
 TO CORAL GABLES (25-43N 080-15W). VESSELS
 IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
 ASSIST IF POSSIBLE. REPORTS TO RCC MIAMI,
 PHONE:305 415 6800, E-MAIL: RCCMIAMI@USCG.MIL.

(022209Z OCT 2016)

2568/16(52,53,56).

EASTERN MEDITERRANEAN SEA.
 LIBYA.
 DNC 08, DNC 09.
 VESSELS, NUMEROUS PERSONS ON BOARD,
 REQUESTING ASSISTANCE VICINITY 33-00N 012-00E.
 VESSELS IN VICINITY REQUESTED TO KEEP
 A SHARP LOOKOUT, ASSIST IF POSSIBLE.
 REPORTS TO MRCC ROME, INMARSAT-C: 424744220,
 PHONE: 3906 5908 4527, 3906 5908 4409,
 FAX: 390 6592 2737, 3906 5908 4793,
 E-MAIL: ITMRCC@MIT.GOV.IT.

(030510Z OCT 2016)

2569/16. CANCELED.

2570/16(56).

EASTERN MEDITERRANEAN SEA.
 HAZARDOUS OPERATIONS.
 DNC 10.
 1. HAZARDOUS OPERATIONS 040330Z TO 051700Z OCT
 IN AREA BETWEEN
 34-22N 34-26N AND 035-31E 035-37E.
 2. CANCEL THIS MSG 051800Z OCT 16.

(031450Z OCT 2016)

2571/16(55).

BLACK SEA.
 UKRAINE.
 HAZARDOUS OPERATIONS.
 DNC 10.
 1. HAZARDOUS OPERATIONS 0001Z TO 2359Z DAILY
 04 THRU 06, 11 THRU 13, 18 THRU 20 AND
 25 THRU 27 OCT IN AREA BOUND BY
 44-30.3N 033-30.4E, 44-29.0N 033-30.4E,
 44-29.0N 033-28.1E, 44-29.9N 033-29.5E.
 2. CANCEL THIS MSG 280059Z OCT 16.

(031505Z OCT 2016)

2572/16. CANCELED.

2573/16(35).

NORTH SEA.
 SCOTLAND-NORTHEAST COAST.
 DNC 20.
 CHART 35055.
 1. FOG SIGNAL AT PLATFORM 12/21C JACKY,
 58-11.0N 002-58.8W INOPERATIVE.
 2. CANCEL HYDROLANT 2144/16.

(031610Z OCT 2016)

2574/16 and 2575/16. CANCELED.

2576/16(35).

NORTH SEA.
 SCOTLAND-EAST COAST.
 RADIO SERVICES.
 DNC 20.
 1. MRCC ABERDEEN MF DSC SERVICE AT
 GREG NESS 57-08N 002-03W OFF AIR.
 2. CANCEL HYDROLANT 2149/16.

(040715Z OCT 2016)

SECTION III

NM 42/16

2577/16(52,53,56).
EASTERN MEDITERRANEAN SEA.
LIBYA.
DNC 08, DNC 09.
VESSELS, NUMEROUS PERSONS ON BOARD,
REQUESTING ASSISTANCE VICINITY 34-00N 013-00E.
VESSELS IN VICINITY REQUESTED TO KEEP
A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO MRCC ROME, INMARSAT-C: 424744220,
PHONE: 3906 5908 4527, 3906 5908 4409,
FAX: 390 6592 2737, 3906 5908 4793,
E-MAIL: ITMRCC@MIT.GOV.IT.

(040730Z OCT 2016)

2578/16(57,61).
EASTERN SOUTH ATLANTIC.
SOUTHWESTERN INDIAN OCEAN.
DNC 01, DNC 02.
DISTRESS SIGNAL RECEIVED FROM S/V PERLA GDYNIA,
ONE PERSON ON BOARD, DISMASTED AND ADRIFT IN
38-56.5S 020-01.5E. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO CAPE TOWN RADIO, PHONE: 272 1938 3300,
E-MAIL: MARITIMERADIO@IXMAIL.CO.ZA,
MARITIMERADIO@IXMAIL.CO.ZA, MRCC.CT@SAMSA.ORG.ZA.

(041310Z OCT 2016)

2579/16. CANCELED.

2580/16(23,29).
WESTERN SOUTH ATLANTIC.
ICE.
DNC 01.
1. ICEBERGS REPORTED IN:
A. B15K, 50-39S 042-18W.
B. B15X, 50-03S 027-36W.
C. A66, 53-03S 032-55W.
D. B15Y, 51-42S 037-14W.
E. 52-14S 037-39W.
F. 48-35S 021-58W.
G. 50-03S 027-36W.
2. CANCEL HYDROLANT 2536/16(52), 2569/16.
3. CANCEL THIS MSG 051410Z OCT 16.

(041410Z OCT 2016)

2581/16. CANCELED.

2582/16(52,56).
EASTERN MEDITERRANEAN SEA.
LIBYA.
DNC 08, DNC 09.
1. VESSEL, NUMEROUS PERSONS ON BOARD,
IN NEED OF ASSISTANCE IN 32-49N 012-40E
AT 040630Z OCT. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO MRCC ROME, INMARSAT-C: 424744220,
PHONE: 3906 5908 4527, 3906 5908 4409,
FAX: 390 6592 2737, 3906 5908 4793,
E-MAIL: ITMRCC@MIT.GOV.IT.
2. CANCEL HYDROLANT 2575/16(52,53,56).

(041853Z OCT 2016)

2583/16. CANCELED.

2584/16(55).
BLACK SEA.
UKRAINE.
HAZARDOUS OPERATIONS.
DNC 10.
1. HAZARDOUS OPERATIONS 051000Z TO 051700Z OCT
IN AREA BOUND BY
44-42.9N 033-17.5E, 45-00.0N 033-17.5E,
45-00.0N 033-28.4E, 44-40.8N 033-28.4E,
44-40.8N 033-22.3E.
2. CANCEL THIS MSG 051800Z OCT 16.

(042130Z OCT 2016)

2585/16(55).
BLACK SEA.
UKRAINE.

HAZARDOUS OPERATIONS.
DNC 10.

1. HAZARDOUS OPERATIONS 051900Z TO 061200Z OCT
IN AREA BOUND BY
44-29.7N 032-19.6E, 44-38.2N 032-53.0E,
44-27.8N 033-06.6E, 44-05.4N 032-48.4E.
2. CANCEL THIS MSG 061300Z OCT 16.

(042142Z OCT 2016)

2586/16(24).
BRAZIL-EAST COAST.
DNC 01.

1. UNDERWATER OPERATIONS 1100Z TO 2100Z DAILY
05 THRU 30 OCT BY M/V WYATT CANDIES
IN 19-31.87S 039-15.45W.
2. CANCEL THIS MSG 302200Z OCT 16.

(050031Z OCT 2016)

2587/16(24).
BRAZIL-SOUTHEAST COAST.
DNC 01.

1. SURVEY OPERATIONS IN PROGRESS UNTIL 31 OCT
BY M/V ZN DRAKKAR TOWING 100 METER LONG CABLE
IN AREA BOUND BY
20-22.40S 040-12.84W, 20-19.15S 040-12.81W,
20-19.17S 040-08.79W, 20-22.97S 040-08.82W.
2. CANCEL THIS MSG 01 NOV 16.

(050051Z OCT 2016)

2588/16. CANCELED.

2589/16(26).
CARIBBEAN SEA.
HAITI-WEST COAST.
DNC 14, DNC 16.

1. DISTRESS SIGNAL RECEIVED FROM 55 FOOT F/V CAPT
JOHNS GREYHOUD V, BLUE AND WHITE HULL, IN
18-39.6N 074-55.2W. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO RCC MIAMI, PHONE: 305 415 6800,
E-MAIL: RCCMIAMI@USCG.MIL.
2. CANCEL HYDROLANT 2579.16.

(050350Z OCT 2016)

SECTION III**NAVAREA XII**

Messages in force 050930Z October 2016:

2015 series	192(21)	286(16,96)	325(22)	353(18)
359(21)	206(22)	292(83)	332(GEN)	355(GEN)
2016 series	215(16,96)	302(22)	342(21)	356(22)
55(21)	228(22)	309(16,96)	349(16,17)	357(22)
147(22)	251(16,96)	324(22)	351(19)	358(18)

The summary of all NAVAREA XII messages in force as of 16 December 2015 is given in Section III of NM 52/15. Warnings issued during the subsequent quarters are issued in NM 13/16, 26/16 and 39/16.

NAVAREA XII WARNINGS issued from 281330Z September to 050930Z October 2016.

351/16(19).

NORTH PACIFIC.

HAWAII.

MISSILES.

1. INTERMITTENT MISSILE FIRING OPERATIONS CONDUCTED BY THE PACIFIC MISSILE RANGE FACILITY (PMRF), BARKING SANDS, KAUAI, HAWAII, IN WHISKEY 188 (W-188) OPERATING AREA. OPERATIONS ARE CONDUCTED PERIODICALLY THROUGHOUT EACH WEEK IN AREA BOUND BY
22-00.0N 159-51.0W, 22-00.0N 160-00.0W,
22-04.0N 160-06.0W, 21-59.5N 160-21.0W,
22-05.0N 161-35.0W, 22-45.0N 161-25.0W,
22-56.0N 161-49.0W, 23-34.0N 161-18.6W,
23-57.0N 160-41.0W, 25-41.0N 161-36.0W,
26-00.0N 159-58.0W, 25-47.0N 158-15.0W,
23-54.0N 158-15.0W, 22-20.0N 159-09.0W,
22-21.0N 159-30.0W, 22-13.0N 159-42.0W.
2. VESSELS MAY BE REQUESTED TO ALTER COURSE DUE TO FIRING OPERATIONS AND ARE REQUESTED TO CONTACT "PACIFIC MISSILE RANGE BARKING SANDS" ON VHF MARINE BAND CHANNEL 16 OR HF 2182 KHZ PRIOR TO ENTERING THE ABOVE BOUNDARIES. IF UNABLE TO CONTACT PMRF PRIOR TO ENTERING OR WHILE IN THE WARNING AREA, RELAY MESSAGES THROUGH U.S. COAST GUARD HONOLULU.
3. VESSELS INBOUND AND OUTBOUND FOR HAWAIIAN PORTS WILL CREATE THE LEAST INTERFERENCE TO FIRING OPERATIONS AS WELL AS ENHANCE VESSEL SAFETY BY PASSING SOUTH OF THE ISLANDS OF KAUAI AND NIIHAU DURING SPECIFIED TIMES.
4. CANCEL NAVAREA XII 289/16.

(281822Z SEP 2016)

352/16. CANCELED.

353/16(18).

EASTERN NORTH PACIFIC.

CALIFORNIA.

MISSILES.

1. HAZARDOUS OPERATIONS 041500Z TO 050200Z OCT, ALTERNATE 1330Z TO 0200Z COMMENCING DAILY 05 AND 06 OCT IN AREA BOUND BY
34-06-36N 119-05-56W, 34-03-20N 119-04-03W,
33-54-32N 119-06-46W, 33-11-55N 119-06-40W,
32-59-00N 119-23-17W, 33-44-09N 120-20-16W,
34-00-55N 119-19-48W, 34-05-53N 119-11-17W.
2. CANCEL THIS MSG 070300Z OCT 16.

(292143Z SEP 2016)

354/16. CANCELED.

355/16(GEN).

1. NAVAREA XII WARNINGS IN FORCE AS OF 110900Z SEP 16.

2015 SERIES: 359(21).

2016 SERIES: 55(21), 147(22), 192(21), 206(22), 215(16,96), 228(22), 251(16,96), 286(16,96), 292(83), 302(22), 309(16,96), 324(22), 325(22), 332(GEN), 342(21), 346(18), 349(16,17), 351(19), 353(18).

2. THE SUMMARY OF ALL NAVAREA XII WARNINGS IN FORCE AS OF 16 DEC 2015 IS GIVEN IN SEC III OF NM 52/15. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/16, 26/16 and 39/16.

3. CANCEL NAVAREA XII 327/16.

(301618Z SEP 2016)

SECTION III

356/16(22).
EASTERN NORTH PACIFIC.
COLOMBIA.
CHART 22040.
CABO MARZO LIGHT 06-49.9N 077-41.2W UNLIT.

(301953Z SEP 2016)

357/16(22).
EASTERN NORTH PACIFIC.
COLOMBIA.
CHART 22050.
DANGEROUS WRECK IN 04-00.5N 077-27.0W.

(302006Z SEP 2016)

358/16(18).
EASTERN NORTH PACIFIC.
CALIFORNIA.
HAZARDOUS OPERATIONS.
1. HAZARDOUS OPERATIONS:
A. 030700Z TO 100700Z OCT IN AREA BOUND BY
33-08-04N 118-46-02W, 33-05-37N 118-43-34W,
32-58-53N 118-43-31W, 32-47-38N 118-32-19W,
32-36-55N 118-44-54W, 32-36-55N 118-56-57W,
32-54-18N 119-13-29W, 33-08-04N 118-55-31W.
B. 041900Z TO 042300Z AND 051500Z TO 051900Z OCT
IN AREA BOUND BY
32-55-00N 118-25-00W, 32-55-00N 118-15-00W,
32-40-00N 118-15-00W, 32-40-00N 118-35-00W,
32-45-00N 118-35-00W.
C. 041800Z TO 042100Z, 051600Z TO 052000Z,
061300Z TO 061730Z AND 071400Z TO 080100Z OCT
IN AREA BOUND BY
32-50-42N 118-29-18W, 32-47-38N 118-32-19W,
32-55-00N 118-39-40W, 32-55-00N 118-32-49W.
D. 062000Z TO 070100Z OCT IN AREA BOUND BY
32-55-00N 118-32-49W, 32-55-00N 118-39-40W,
32-58-53N 118-43-31W, 33-00-42N 118-43-32W,
33-01-38N 118-36-18W.
E. 071400Z TO 080100Z OCT IN AREA BOUND BY
32-55-00N 118-25-00W, 32-55-00N 118-15-00W,
32-45-00N 118-15-00W, 32-45-00N 118-35-00W.
2. CANCEL THIS MSG 100800Z OCT 16.

(302154Z SEP 2016)

SECTION III

NM 42/16

HYDROPACS

Messages in force 050930Z October 2016:

2011 series	2300(74)	1285(74)	2591(93)	2883(GEN)	2984(94)
1561(56)	3068(63)	1484(71,93)	2642(96)	2900(93)	2985(94)
3552(96)	3254(63)	1601(75)	2661(62)	2902(62,63)	2988(63)
2012 series	3271(93)	1614(74)	2675(83)	2911(93)	2990(18)
1222(97)	3369(72)	1629(74,75)	2682(83)	2912(91)	2991(95)
1555(96)	3371(63)	1631(63)	2684(22)	2913(93)	2993(91)
1824(76)	3525(71)	1664(94)	2693(61)	2917(61)	2994(22)
2013 series	3559(93)	1831(96)	2733(93)	2918(93)	2996(63)
899(75)	3820(63)	1859(96)	2745(93)	2922(61)	2997(63)
3004(63)	3944(75)	1862(93)	2748(GEN)	2924(97)	3000(93)
2014 series	4020(71)	1871(74)	2753(62)	2927(71,93)	3004(93)
496(74)	4068(71)	2040(96)	2755(74)	2928(71,93)	3006(22)
894(63)	4092(63)	2055(63)	2764(63)	2935(61)	3012(74)
1118(74)	4127(63)	2098(76)	2765(63)	2936(74)	3014(81)
1368(93)	2016 series	2180(62)	2790(63)	2939(63)	3019(63)
1672(22)	26(74)	2275(73,74)	2797(94)	2941(96,97)	3020(62)
3019(63)	200(74)	2295(63)	2798(94)	2942(82)	3021(63)
3528(93)	424(63)	2318(62)	2814(63)	2950(93)	3022(96)
2015 series	496(83)	2320(94)	2829(97)	2952(63)	3024(94)
632(63)	727(62)	2374(63)	2830(22)	2953(93)	3026(73)
728(75)	777(63)	2378(93)	2835(61,75)	2956(91,94)	3027(93)
826(73)	1035(94,95)	2381(22)	2837(97)	2968(95,96)	3028(63)
1014(73)	1039(93)	2390(63)	2838(61)	2973(94)	3031(57,61)
1052(73)	1052(62)	2508(63)	2839(63)	2974(94)	3032(93)
1194(71)	1059(74)	2511(62)	2853(96)	2976(94,97)	3033(62)
1256(74)	1153(62)	2547(22)	2862(93)	2978(62)	3034(93)
1413(63)	1156(93)	2566(93)	2866(71,93)	2979(63)	3036(93)
1478(75)	1207(63)	2581(63)	2876(74)	2980(63)	3040(94)
1571(61)	1220(74)	2582(63)	2880(63)	2981(63)	
1733(63)	1271(93)	2589(83)	2881(94)	2982(21,22)	

The summary of all HYDROPACS in force as of 16 December 2015 is given in Section III of NM 52/15.
Warnings issued during the subsequent quarters are issued in NM 13/16, 26/16 and 39/16.

HYDROPAC WARNINGS issued from 281330Z September to 050930Z October 2016.

2952/16(63).

NORTHERN INDIAN OCEAN.

DNC 03.

F/V SADEV DISABLED AND ADRIFT DUE TO ENGINE

FAILURE IN 04-37N 083-31E AT 270245Z SEP.

VESSELS IN VICINITY REQUESTED TO KEEP A

SHARP LOOKOUT, ASSIST IF POSSIBLE.

REPORTS TO ANY COASTAL RADIO STATION.

(281200Z SEP 2016)

2953/16(93).

SOUTH CHINA SEA.

DNC 11.

F/V BD 95263 TS, 12 PERSONS ON BOARD,

DISABLED AND ADRIFT DUE TO ENGINE FAILURE

IN 10-23N 115-32E AT 280001Z SEP. VESSELS

IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,

ASSIST IF POSSIBLE. REPORTS TO MRCC VIETNAM,

FAX: 843 1398 1615, E-MAIL: HPLES-GMDSS@HPLES.COM.VN.

(281330Z SEP 2016)

2954/16 and 2955/16. CANCELED.

2956/16(91,94).

WESTERN NORTH PACIFIC.

PHILIPPINE SEA.

TAIWAN-SOUTHEAST COAST.

GUNNERY.

DNC 23.

1. GUNNERY EXERCISES 2300Z TO 0500Z COMMENCING DAILY

02 THRU 06, 10 THRU 13, 16 THRU 20,

23 THRU 27 AND 30 OCT, 0600Z TO 0900Z DAILY

03 THRU 07, 11 THRU 14, 17 THRU 21, 24 THRU 28 AND 31 OCT:

SECTION III

- A. IN AREA BOUND BY
22-26-53N 122-00-29E, 21-32-53N 122-00-29E,
21-41-53N 121-40-29E, 22-14-53N 121-40-29E.
- B. WITHIN FIVE MILES OF 21-59-30N 121-51-00E.
- 2. CANCEL THIS MSG 311000Z OCT 16.

(281600Z SEP 2016)

2957/16 thru 2967/16. CANCELED.

- 2968/16(95,96).
- SEA OF JAPAN.
 - GUNNERY.
 - DNC 23, DNC 24.
 - 1. GUNNERY EXERCISES 0300Z TO 1300Z DAILY
03 THRU 08 OCT IN AREA BETWEEN
42-00N 42-20N AND 132-20E 133-10E.
 - 2. CANCEL THIS MSG 081400Z OCT 16.

(290914Z SEP 2016)

2969/16 thru 2972/16. CANCELED.

- 2973/16(94).
- WESTERN NORTH PACIFIC.
 - PHILIPPINE SEA.
 - TAIWAN-EAST COAST.
 - GUNNERY.
 - DNC 23.
 - 1. GUNNERY EXERCISES 2300Z TO 0400Z COMMENCING DAILY
02 THRU 06, 10 THRU 13 AND 16 THRU 19 OCT,
0500Z TO 0900Z DAILY 03 THRU 07, 11 THRU 14
AND 17 THRU 20 OCT:
A. IN AREA BOUND BY
23-43N 122-05E, 23-43N 122-38E,
23-20N 122-38E, 23-00N 122-05E.
 - B. WITHIN 10 MIILES OF 23-27N 122-22E.
 - 2. CANCEL THIS MSG 201000Z OCT 16.

(291350Z SEP 2016)

- 2974/16(94).
- WESTERN NORTH PACIFIC.
 - PHILIPPINE SEA.
 - TAIWAN-EAST COAST.
 - GUNNERY.
 - DNC 23.

- 1. GUNNERY EXERCISES 2300Z TO 0500Z COMMENCING DAILY
02 THRU 06, 12, 13, 16 THRU 20, 23, 26, 27 AND
30 OCT, 0600Z TO 0900Z DAILY 03 THRU 07, 13, 14,
17 THRU 21, 24, 27, 28 AND 31 OCT,
2300Z TO 1400Z COMMENCING DAILY 10, 11, 24 AND 25 OCT:
A. IN AREA BOUND BY
23-43.0N 122-05.0E, 23-43.0N 122-38.0E,
23-20.0N 122-38.0E, 23-00.0N 122-05.0E.
- B. WITHIN 31 MILES OF 23-26.5N 122-21.5E.
- 2. CANCEL THIS MSG 311000Z OCT 16.

(291437Z SEP 2016)

2975/16. CANCELED.

- 2976/16(94,97).
- WESTERN NORTH PACIFIC.
 - EAST CHINA SEA.
 - DNC 12, DNC 23.
 - DISTRESS SIGNALS RECEIVED ON 406 MHZ AT
291159Z SEP IN:
A. 36-51-14N 149-38-13E.
B. 31-33-07N 123-14-09E.
 - VESSELS IN VICINITY REQUESTED TO KEEP A SHARP
LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO
JAPAN COAST GUARD, PHONE: 812 2365 6957.

(291655Z SEP 2016)

2977/16. CANCELED.

- 2978/16(62).
- GULF OF SUEZ.
 - DNC 10.
 - CHART 62191.
 - 1. ALL NAVIGATIONAL AIDS AT PLATFORM MORGAN 5,
28-13.44N 033-25.30E INOPERATIVE UNTIL 10 OCT.
 - 2. CANCEL THIS MSG 11 OCT 16.

(291957Z SEP 2016)

SECTION III

NM 42/16

2979/16(63).

ARABIAN SEA.

PAKISTAN.

HAZARDOUS OPERATIONS.

DNC 03.

1. HAZARDOUS OPERATIONS 0400Z TO 1700Z DAILY
03 THRU 07, 10 THRU 14, 17 THRU 21, 24 THRU 28
AND 31 OCT IN AREAS BOUND BY:

A. 24-19.00N 066-58.00E, 24-00.00N 066-39.00E,
24-11.00N 066-27.00E, 24-24.30N 066-42.00E.

B. 24-16.18N 066-20.50E, 24-22.00N 066-27.00E.
24-16.30N 066-33.00E, 24-10.30N 066-27.00E.

2. CANCEL THIS MSG 311800Z OCT 16.

(292054Z SEP 2016)

2980/16(63).

BAY OF BENGAL.

INDIA.

ROCKETS.

DNC 03.

1. HAZARDOUS OPERATIONS 0530Z TO 0730Z DAILY
04 THRU 08 OCT WITHIN:

A. TEN MILES OF 13-41N 080-14E
B. 45 MILES OF 13-41N 080-14E
BETWEEN 070 DEGREES AND 100 DEGREES.

C. 75 MILES OF 13-41N 080-14E
BETWEEN 070 DEGREES AND 100 DEGREES.

2. CANCEL THIS MSG 080830Z OCT 16.

(292204Z SEP 2016)

2981/16(63).

ARABIAN SEA.

INDIA.

ROCKETS.

DNC 03.

1. HAZARDOUS OPERATIONS 040530Z TO 040730Z,
050830Z TO 051030Z AND 060530Z TO 060730Z OCT
WITHIN:

A. FIVE MILES OF 08-31.98N 076-52.05E
BETWEEN 190 DEGREES AND 300 DEGREES.

B. 45 MILES OF 08-31.98N 076-52.05E
BETWEEN 220 DEGREES AND 260 DEGREES.

C. 75 MILES OF 08-31.98N 076-52.05E
BETWEEN 220 DEGREES AND 260 DEGREES.

2. CANCEL THIS MSG 060830Z OCT 16.

(292216Z SEP 2016)

2982/16(21,22).

EASTERN NORTH PACIFIC.

DNC 14.

DISTRESS SIGNAL RECEIVED IN 05-29N 092-41W.

VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO RCC ALAMEDA,
TELEX: 230172343, PHONE: 510 437 3701,
E-MAIL: RCCALAMEDA@USCG.MIL.

(292257Z SEP 2016)

2983/16. CANCELED.

2984/16(94).

TAIWAN STRAIT.

TAIWAN-SOUTHWEST COAST.

GUNNERY.

DNC 23.

1. GUNNERY EXERCISES 0001Z TO 0900Z DAILY
03, 05, 07, 12, 14, 21, 28 AND 31 OCT,
0001Z TO 1400Z DAILY 04, 06, 11, 13,
18 THRU 20 AND 25 THRU 27 OCT:

A. IN AREA BETWEEN
22-34-54N 22-54-54N AND 119-25-29E 119-45-29E.
B. WITHIN 15 MILES OF 22-44-54N 119-35-29E.

2. CANCEL THIS MSG 311000Z OCT 16.

(300506Z SEP 2016)

2985/16(94).

TAIWAN STRAIT.

GUNNERY.

TAIWAN-SOUTHWEST COAST.

DNC 23.

1. GUNNERY EXERCISES 0001Z TO 0900Z DAILY
03 THRU 07, 11 THRU 14, 17 THRU 21,
24 THRU 28 AND 31 OCT:

A. IN AREA BETWEEN
23-29-54N 23-39-54N AND 119-05-29E 119-15-29E.
B. WITHIN TEN MILES OF 23-34-54N 119-10-29E.

2. CANCEL THIS MSG 311000Z OCT 16.

(300512Z SEP 2016)

2986/16 and 2987/16. CANCELED.

2988/16(63).

ARABIAN SEA.

INDIA.

HAZARDOUS OPERATIONS.

DNC 03.

1. HAZARDOUS OPERATIONS 0900Z TO 1200Z DAILY
04, 07, 14, 18, 25 AND 28 OCT,

210900Z TO 211130Z OCT IN AREA BOUND BY

09-57.5N 075-59.5E, 09-57.7N 076-14.2E,

09-44.0N 076-17.5E, 09-42.5N 076-09.5E.

2. CANCEL THIS MSG 281300Z OCT 16.

(301030Z SEP 2016)

2989/16. CANCELED.

2990/16(18).

EASTERN NORTH PACIFIC.

DNC 13.

DISTRESS SIGNAL RECEIVED ON 406 MHZ IN
23-24.9N 121-21.8W. VESSELS IN VICINITY
REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO RCC ALAMEDA,
TELEX: 230172343, PHONE: 510 437 3701,
E-MAIL: RCCALAMEDA@USCG.MIL.

(301340Z SEP 2016)

2991/16(95).

YELLOW SEA.

GUNNERY.

DNC 23.

1. GUNNERY EXERCISES 0400Z TO 0800Z DAILY
04 THRU 06 OCT IN AREA BETWEEN

37-25N 37-30N AND 124-43E 124-50E.

2. CANCEL THIS MSG 060900Z OCT 16.

(301358Z SEP 2016)

2992/16. CANCELED.

2993/16(91).

SOUTH CHINA SEA.

PHILIPPINES.

DNC 11.

1. DISTRESS SIGNAL RECEIVED ON 406 MHZ
IN 14-32-28N 120-21-50E AT 301454Z SEP.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP
LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO
JAPAN COAST GUARD, PHONE: 814 5663 4999.

2. CANCEL HYDROFAC 2992/16.

(301841Z SEP 2016)

2994/16(22).

EASTERN SOUTH PACIFIC.

CHILE.

HAZARDOUS OPERATIONS.

DNC 07.

1. HAZARDOUS OPERATIONS 051300Z TO 051500Z,
061700Z TO 062000Z AND
071200Z TO 071400Z OCT IN AREA BETWEEN
36-22S 36-30S AND 073-25W 073-15W.

2. CANCEL THIS MSG 071500Z OCT 16.

(010223Z OCT 2016)

2995/16. CANCELED.

2996/16(63).

BAY OF BENGAL.

INDIA.

HAZARDOUS OPERATIONS.

DNC 03.

1. HAZARDOUS OPERATIONS 0130Z TO 0730Z AND
0830Z TO 1430Z DAILY 06, 08, 15, 24,
26, 27 AND 29 OCT:

A. IN AREA BOUND BY

19-14.60N 084-53.70E, 19-07.39N 085-35.94E,

18-33.61N 084-53.74E.

B. WITHIN 41 MILES OF TRACKLINE BETWEEN

19-07.39N 085-35.94E AND 18-33.61N 084-53.74E.

2. CANCEL THIS MSG 291530Z OCT 16.

(010750Z OCT 2016)

SECTION III

NM 42/16

2997/16(63).

BAY OF BENGAL.

SRI LANKA-NORTHEAST COAST.

HAZARDOUS OPERATIONS.

DNC 03.

1. HAZARDOUS OPERATIONS 060530Z TO 060730Z OCT
WITHIN FIVE MILES OF 09-55N 080-33E.
2. CANCEL THIS MSG 060830Z OCT 16.

(010755Z OCT 2016)

2998/16 and 2999/16. CANCELED.

3000/16(93).

SOUTH CHINA SEA.

DNC 11.

F/V BD 91171 TS, 14 PERSONS ON BOARD, DISABLED
AND ADRIFT DUE TO ENGINE FAILURE IN 12-50N 116-09E
AT 010600Z OCT. VESSELS IN VICINITY REQUESTED
TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.
REPORTS TO MRCC VIETNAM, FAX: 843 1398 1615,
E-MAIL: HPLES-GMDSS@HPLES.COM.VN.

(011110Z OCT 2016)

3001/16 thru 3003/16. CANCELED.

3004/16(93) YDROPAC 3004/16(93)

SOUTH CHINA SEA.

VIETNAM.

GUNNERY.

DNC 11.

1. GUNNERY EXERCISES 040001Z TO 050400Z OCT,
ALTERNATE 050001Z TO 060400Z OCT
IN AREA BETWEEN
12-08N 11-52N AND 109-14E 109-30E.
2. CANCEL THIS MSG 060500Z OCT 16.

(020020Z OCT 2016)

3005/16. CANCELED.

3006/16(22).

EASTERN SOUTH PACIFIC.

CHILE.

HAZARDOUS OPERATIONS.

DNC 07.

1. HAZARDOUS OPERATIONS 071000Z TO 071600Z OCT
IN AREA BOUND BY
30-11.0S 071-55.0W, 30-11.0S 071-37.5W,
30-20.0S 071-37.5W, 30-20.0S 071-42.0W,
30-27.0S 071-42.0W, 30-27.0S 071-55.0W.
2. CANCEL THIS MSG 071700Z OCT 16.

(020650Z OCT 2016)

3007/16 thru 3011/16. CANCELED.

3012/16(74).

TIMOR SEA.

AUSTRALIA-NORTH COAST.

DNC 04.

DISTRESS SIGNAL RECEIVED ON 406 MHZ FROM
6.1 METER VESSEL VIVIENNE II VICINITY
13-00.8S 130-03.5E AT 030211Z OCT. VESSELS IN
VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO JRCC AUSTRALIA,
PHONE: 612 6230 6811, FAX: 612 6230 6868,
E-MAIL: RCCAUS@AMSA.GOV.AU.

(030240Z OCT 2016)

3013/16. CANCELED.

3014/16(81).

WESTERN NORTH PACIFIC.

DNC 12.

1. SIX METER LONG ORANGE AND WHITE METALLIC OBJECT
ADRIFT IN 01-51.6N 133-06.0E AT 030010Z OCT.
2. CANCEL THIS MSG 060315Z OCT 16.

(030315Z OCT 2016)

3015/16 thru 3018/16. CANCELED.

SECTION III

3019/16(63).

BAY OF BENGAL.
 SRI LANKA-EAST COAST.
 HAZARDOUS OPERATIONS.

DNC 03.

1. HAZARDOUS OPERATIONS 070230Z TO 071030Z OCT
 IN AREA BETWEEN
 08-20N 08-30N AND 081-30E 081-40E.
2. CANCEL THIS MSG 071130Z OCT 16.

(031025Z OCT 2016)

3020/16(62).

RED SEA.
 PIRACY.
 DNC 10.

M/V REPORTS APPROACH BY SUSPICIOUS VESSEL
 IN 14-01.37N 042-49.63E AT 030650Z OCT.
 VESSELS ARE ADVISED TO KEEP CLEAR OF THIS POSITION AND TO EXERCISE EXTREME CAUTION.
 REPORTS TO IMB PIRACY REPORTING CENTER,
 PHONE: 603 2031 0014, FAX: 603 2078 5769,
 E-MAIL: IMBK@ICC-CCS.ORG, PIRACY@ICC-CCS.ORG.

(031115Z OCT 2016)

3021/16(63).

ARABIAN SEA.
 PAKISTAN.
 HAZARDOUS OPERATIONS.

DNC 03.

1. HAZARDOUS OPERATIONS 0400Z TO 1000Z DAILY
 05 AND 06 OCT WITHIN 14000 METERS OF
 24-47.26N 066-58.46E
 BETWEEN 230 DEGREES AND 270 DEGREES.
2. CANCEL THIS MSG 061100Z OCT 16.

(031220Z OCT 2016)

3022/16(96).

SEA OF OKHOTSK.
 MISSILES.
 DNC 24.

1. HAZARDOUS OPERATIONS 0700Z TO 1400Z DAILY,
 08 THRU 12 OCT:
 A. IN AREA BOUND BY
 47-36N 151-21E, 47-54N 151-06E,
 48-06N 151-40E, 47-52N 151-58E.
 B. WITHIN 27 MILES OF 52-49N 146-17E.
 C. WITHIN 27.5 MILES OF 57-09N 140-33E.
2. CANCEL THIS MSG 121500Z OCT 16.

(031255Z OCT 2016)

3023/16. CANCELED.

3024/16(94).

WESTERN NORTH PACIFIC.
 PHILIPPINE SEA.
 TAIWAN-EAST COAST.

DNC 23.

1. CABLE LAYING OPERATIONS IN PROGRESS UNTIL
 09 OCT VICINITY OF TRACKLINES BETWEEN:
 A. 24-34-19.1N 122-06-03.9E AND 24-34-05.1N 122-06-13.6E.
 B. 24-30-17.2N 122-09-30.9E AND 24-30-12.8N 122-09-38.7E.
2. CANCEL THIS MSG 10 OCT 16.

(040300Z OCT 2016)

3025/16. CANCELED.

3026/16(73).

BANDA SEA.
 INDONESIA.
 DNC 04.

1. LIFERAFT, THREE PERSONS ON BOARD,
 ADRIFFT VICINITY 07-00S 123-00E. VESSELS
 IN VICINITY REQUESTED TO KEEP A SHARP
 LOOKOUT, ASSIST IS POSSIBLE. REPORTS TO
 RCC BASARNAS PHONE: 6221 6586 7510,
 FAX: 6221 6586 7512, E-MAIL: KAGAHAR@BASARNAS.GO.ID,
 KAGAHAR@YAHOO.COM, KAGAHAR@GMAIL.COM.
2. CANCEL HYDROPAC 3008/16(72,73).

(040350Z OCT 2016)

SECTION III

NM 42/16

3027/16(93).

GULF OF TONKIN.

DNC 23.

F/V NA 95078 TS, FIVE PERSONS ON BOARD, DISABLED AND ADRIFT IN 19-29N 107-23E AT 021800Z OCT. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO MRCC VIETNAM, FAX: 843 1398 1615, E-MAIL: HPLES-GMDSS@HPLES.COM.VN.

(040440Z OCT 2016)

3028/16(63).

BAY OF BENGAL.

INDIA.

HAZARDOUS OPERATIONS.

DNC 03.

1. HAZARDOUS OPERATIONS 0130Z TO 1130Z DAILY
08 THRU 14 OCT IN AREA BETWEEN:
13-30N 14-30N AND 082-00E 082-40E.
2. CANCEL THIS MSG 141230Z OCT 16.

(041005Z OCT 2016)

3029/16 and 3030/16. CANCELED.

3031/16(57,61).

EASTERN SOUTH ATLANTIC.

SOUTHWESTERN INDIAN OCEAN.

DNC 01, DNC 02.

DISTRESS SIGNAL RECEIVED FROM S/V PERLA GDYNIA, ONE PERSON ON BOARD, DISMASTED AND ADRIFT IN 38-56.5S 020-01.5E. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO CAPE TOWN RADIO, PHONE: 272 1938 3300, E-MAIL: MARITIMERADIO@IXMAIL.CO.ZA, MARITIMERADIO@IXMAIL.CO.ZA, MRCC.CT@SAMSA.ORG.ZA.

(041312Z OCT 2016)

3032/16(93).

SOUTH CHINA SEA.

DNC 11.

DISTRESS SIGNAL RECEIVED IN 10-07N 111-56E AT 041129Z OCT. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO SINGAPORE PORT OPERATIONS CONTROL CENTER, PHONE: 656 226 5539, FAX: 656 227 9971, E-MAIL: POCC@MPA.GOV.SG.

(041345Z OCT 2016)

3033/16(62).

PERSIAN GULF.

QATAR.

DNC 10.

UNDERWATER OPERATIONS IN PROGRESS
UNTIL FURTHER NOTICE BY M/V QUEST HORIZON
WITHIN TWO KILOMETERS OF 26-19.72N 051-54.17E.
WIDE BERTH REQUESTED.

(041515Z OCT 2016)

3034/16(93).

SOUTH CHINA SEA.

DNC 11.

DISTRESS SIGNAL RECEIVED ON 406 MHZ IN 13-05N 113-56E AT 041337Z OCT. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO SINGAPORE PORT OPERATIONS CONTROL CENTER, PHONE: 656 226 5539, FAX: 656 227 9971, E-MAIL: POCC@MPA.GOV.SG.

(041525Z OCT 2016)

3035/16. CANCELED.

3036/16(93).

SOUTH CHINA SEA.

VIETNAM.

DNC 11.

DISTRESS SIGNAL RECEIVED FROM M/V CAPE FERROL IN 09-35N 108-40E AT 041901Z OCT. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO SINGAPORE PORT OPERATIONS CONTROL CENTER, PHONE: 656 226 5539, FAX: 656 227 9971, E-MAIL: POCC@MPA.GOV.SG.

(042017Z OCT 2016)

SECTION III

3037/16 thru 3039/16. CANCELED.

3040/16(94).

TAIWAN STRAIT.

TAIWAN-SOUTHWEST COAST.

GUNNERY.

DNC 23.

1. GUNNERY EXERCISES 0001Z TO 1400Z DAILY

05 AND 06 OCT AND 070400Z TO 071400Z OCT:

A. IN AREA BETWEEN

22-34-54N 22-54-54N AND 119-25-29E 119-45-29E.

B. WITHIN 15 MILES OF 22-44-54N 119-35-29E.

2. CANCEL THIS MSG 071500Z OCT 16.

(050310Z OCT 2016)

3041/16. CANCELED.

SECTION III

HYDROARCS

Messages in force 050930Z October 2016:

2010 series	268(16)	2016 series	176(41)	219(41,42)	265(15)
56(15)	269(16)	2(41,42)	184(41,42)	220(16)	268(41)
102(15)	2015 series	4(42)	188(42)	221(96)	271(41,42)
103(16,41)	248(15)	28(41,42)	189(41)	222(16)	274(42,43)
2012 series	264(15)	124(16,96)	191(15)	228(16,96)	278(15)
112(15)	318(15,38)	136(16)	195(42)	229(15)	280(42)
193(15)	319(15,38)	140(42)	197(41)	231(42)	282(42)
220(GEN)	320(15)	154(41,96)	199(15)	236(GEN)	
2014 series	343(15)	155(16)	202(15)	239(42)	
131(16)	345(15)	157(16,96)	205(15,16)	241(42)	
158(15)	362(16,96)	170(GEN)	210(42,43)	249(43)	

The summary of all HYDROARCS messages in force as of 16 December 2015 is given in Section III of NM 52/15.
Warnings issued during the subsequent quarters are issued in NM 13/16, 26/16 and 39/16.

HYDROARCS WARNINGS issued from 281330Z September to 050930Z October 2016.

268/16(41).
 EAST SIBERIAN SEA.
 DNC 27.
 CHART 41000.
 1. SUB-SURFACE SCIENTIFIC MOORINGS, MARKED BY
 RED FLOATS, ESTABLISHED IN:
 A. 72-50.38N 158-14.52E.
 B. 73-38.65N 156-46.68E.
 0.5 MILE BERTH REQUESTED.
 2. CANCEL THIS MSG 16 OCT 16.

(281235Z SEP 2016)

269/16 and 270/16. CANCELED.

271/16(41,42).
 ARCTIC.
 KARA SEA.
 DNC 22.
 1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE
 BY M/V GEOLOG DMITRIY NALIVKIN TOWING
 8100 METER LONG CABLE IN AREA BOUND BY
 80-00.5N 071-02.5E, 80-00.0N 090-00.3E,
 78-19.2N 095-59.7E, 76-00.5N 090-02.1E,
 75-20.0N 084-02.7E, 77-21.5N 074-39.2E.
 EIGHT MILE BERTH REQUESTED.
 2. CANCEL HYDROARC 152/16.

(291913Z SEP 2016)

272/16 and 273/16. CANCELED.

274/16(42,43).
 ARCTIC.
 BARENTS SEA.
 MISSILES. GUNNERY.
 DNC 22.
 1. HAZARDOUS OPERATIONS 0500Z TO 1700Z DAILY
 04 THRU 07 OCT IN AREA BOUND BY
 71-55.5N 032-25.0E, 72-28.2N 033-46.1E,
 72-36.3N 037-54.0E, 72-02.5N 041-53.2E,
 71-00.0N 044-00.0E, 70-00.0N 044-00.0E,
 69-38.6N 044-00.0E, 69-00.8N 040-58.5E,
 68-50.0N 038-30.0E, 68-58.2N 036-44.5E,
 69-12.8N 035-02.0E, 69-31.0N 033-55.0E,
 69-34.5N 032-50.5E, 69-47.0N 032-44.0E,
 70-10.0N 032-25.0E.
 2. CANCEL THIS MSG 071800Z OCT 16.

(031005Z OCT 2016)

275/16 thru 277/16. CANCELED.

278/16(15).
 ARCTIC.
 CANADA-NORTH COAST.
 RADIO SERVICES.
 DNC 27.
 MCTS IQALUIT REMOTE STATION INUVIK
 68-19N 133-35W RADIOFACSIMILE FREQUENCIES
 4292 KHZ AND 8456 KHZ AT INOPERATIVE.

(040225Z OCT 2016)

279/16. CANCELED.

280/16(42).

ARCTIC.

KARA SEA.

RUSSIA.

ROCKETS.

DNC 22.

1. HAZARDOUS OPERATIONS 080001Z TO 122359Z OCT
IN AREA BOUND BY

74-00N 073-55E, 74-25N 078-20E,
73-55N 078-50E, 73-30N 074-25E.

2. CANCEL THIS MSG 130059Z OCT 16.

(041015Z OCT 2016)

281/16. CANCELED.

282/16(42).

ARCTIC.

BARENTS SEA.

DNC 22.

1. OCEANOGRAPHIC OPERATIONS 052100Z TO 152100Z OCT
IN AREAS BOUND BY:

A. 70-08N 033-35E, 70-00N 034-12E,
69-38N 034-12E, 69-47N 033-40E.
B. 71-34N 034-30E, 71-30N 035-25E,
70-52N 034-00E, 70-30N 033-40E,
70-30N 032-50E, 70-55N 033-00E.

2. CANCEL THIS MSG 152200Z OCT 16.

(050835Z OCT 2016)

MARAD ADVISORIES

MARAD ADVISORIES rapidly disseminate information on government policy, danger and safety issues pertaining to vessel operations and other timely maritime matters. They are periodically issued by the U.S. Maritime Administration (MARAD) to vessel masters, operators, and other U.S. maritime interests.

The text of all in-force MARAD ADVISORIES may be obtained by accessing the NGA Maritime Safety Web site (<http://msi.nga.mil/NGAPortal/MSI.portal>), by referring to Section I (paragraph 49) of US Notice to Mariners 1/15 for those in-force as of 23 December 2014, or by contacting the Maritime Administration, Office of Security, Code MAR-420, Room W25-308, 1200 New Jersey Avenue S.E., Washington DC 20590, Telephone (202) 366-1883, FAX (202) 366-3954, Cell (202) 641-5071.

MARAD ADVISORIES in force 5 October 2016: 05-1, 10-6, 11-5, 13-2, 13-3, 13-5, 15-1 and 16-3.

SPECIAL WARNINGS

SPECIAL WARNINGS, primarily intended to announce official government proclamations affecting shipping, are broadcast as needed. They are numbered consecutively and further promulgated in the Notice to Mariners.

The text of all in-force SPECIAL WARNINGS may be obtained by accessing the NGA Maritime Safety Web site (<http://msi.nga.mil/NGAPortal/MSI.portal>) or by referring to Section I (paragraph 5) of US Notice to Mariners 1/16 for those in-force as of 22 December 2015.

SPECIAL WARNINGS in force 5 October 2016: 1, 29, 92, 114, 119, 120, 122, 123, 124, 127, 128, 129, 130, 131 and 134.

SPECIAL WARNING No. 134.

RED SEA, BAB-EL-MANDEB STRAIT AND GULF OF ADEN

1. COMMERCIAL VESSELS IN THE REGION OF THE RED SEA,
BAB EL MANDEB STRAIT AND THE GULF OF ADEN
SHOULD OPERATE UNDER A HEIGHTENED STATE OF
ALERT AS INCREASING TENSIONS IN THE REGION
ESCALATE THE POTENTIAL FOR DIRECT OR COLLATERAL
DAMAGE TO VESSELS TRANSITING THE REGION. THESE
THREATS MAY COME FROM A VARIETY OF DIFFERENT
SOURCES SUCH AS MISSILES, PROJECTILES OR
WATERBORNE IMPROVISED EXPLOSIVE DEVICES. HOUTHI
REBELS CLAIMED RESPONSIBILITY FOR AN 01 OCT
ATTACK ON A UAE VESSEL. VESSELS IN THE REGION
SHOULD REPORT HOSTILE ACTIVITIES IMMEDIATELY
AND CONTACT COALITION NAVAL FORCES VIA VHF BRIDGE
TO BRIDGE RADIO, E-MAIL: CATLEADER@ME.NAVY.MIL,
PHONE: 973 1785 3879.

2. CANCEL SPECIAL WARNING 133.

(031810Z OCT 2016)

MARINE INFORMATION

NGA IMPLEMENTING PHASED REDUCTION OF GLOBAL CHART PORTFOLIO

Effective 06 August 2016, NGA began a phased reduction of standard nautical hardcopy chart coverage over all regions of the world. As military and commercial ships fully transition to electronic navigation using approved Electronic Chart Display and Information System (ECDIS) platforms and associated electronic/digital charts, the requirements for hardcopy charts as a primary means of navigation are being reduced. With this transformation in navigation practices, NGA identified and proposed specific harbor and associated approach scale hardcopy chart reductions around the world based upon historical activity and usage by our customers. These proposed chart cancellations were coordinated with, reviewed, and approved by U.S. national hydrographic authorities and NGA mission partners with official concurrence for termination from the Services and Combatant Commands formalized through a Joint Staff Action Processing (JSAP) tasking.

With these cancellations, NGA will no longer produce and maintain these hardcopy charts, the Defense Logistics Agency (DLA) will no longer list these products in the DLA Catalog or provide copies in response to requisitions, and commercial printing contract partners will no longer be provided print files or be authorized to print these charts for customers. No chart coverage cancellations will be made in U.S. territorial waters or in areas of the world where the U.S. is considered the prime charting authority. All cancellations made to the NGA portfolio as part of the first phase of this effort can be identified through the authority line of "NTM0015/2016" associated with each chart cancellation correction in Section I.

Any questions or requests for further information with regards to this phased reduction of NGA hardcopy chart coverage can be submitted directly to the Maritime Customer Quality Feedback Database at MCDNtM@nga.mil.

NOAA CHART NEW EDITIONS AND THEIR AVAILABILITY

NOAA produces nautical chart products to support federal chart carriage requirements. These nautical charts are available as Print on Demand (POD) charts through authorized NOAA partners. A list of these approved partners can be found at <http://www.nauticalcharts.noaa.gov>.

DOD and other authorized U.S. Government users may obtain NOAA charts through the Defense Logistics Agency (DLA).

New editions of Print-on-Demand charts are available on the Monday after NOAA clears a new edition for release. The traditional chart is available two to eight weeks later. Each is official, should be put into service immediately, and meets federal chart carriage requirements immediately upon its release. Each should be updated from the dates shown in the lower left corner of the chart. For questions contact NOAA at help@nauticalcharts.gov or call 301-713-1968 x 105. Dates of latest editions for charts are listed at <http://nauticalcharts.noaa.gov>.

12402	13 th Ed. Sep 2016 NEW EDITION NEW YORK LOWER BAY - NORTHERN PART	NAD 83	(NOS Silver Spring, MD) 15,000
13270	65 th Ed. Sep 2016 NEW EDITION BOSTON HARBOR	NAD 83	(NOS Silver Spring, MD) 25,000
13272	53 rd Ed. Sep 2016 NEW EDITION BOSTON INNER HARBOR	NAD 83	(NOS Silver Spring, MD) 10,000

NGA CHART NEW EDITIONS AND THEIR AVAILABILITY

NGA standard nautical hardcopy chart products are made available and distributed by three different authorized methods:

- 1) The mailing and shipping of charts to Department of Defense (DoD) customers and other authorized U.S. Government users by the Defense Logistics Agency (DLA).
- 2) The posting of selected new charts (as large pdf print files) to NGA websites for access by Department of Defense (DoD) customers and other authorized U.S. Government users.
- 3) The print-on-demand access of all public release NGA charts by the National Ocean Service (NOS) and official NOS chart agents, on behalf of NGA.

SECTION III

The posting of selected new NGA charts (as large pdf print files) to NGA websites for access by Department of Defense (DoD) customers and other authorized U.S. Government users is normally made the day after NGA clears the New Edition for release and the chart is sent to be printed in mass quantity for DLA stock. The traditional NGA printed paper chart is then usually available some six to eight weeks later from DLA and sent out on automatic distribution. For those charts set for public sale, they are available a week after NGA release from the National Ocean Service at <http://www.nauticalcharts.noaa.gov/staff/charts.htm>.

Regardless of how the NGA chart is obtained by the customer (downloaded from NGA website, distributed from DLA, or obtained through NOS) each is official, should be put into service immediately, and meets all Federal chart carriage requirements immediately upon its release. Each should also be updated from the dates shown in the lower left corner of the chart through the US Notice to Mariners. For questions, contact NGA at mcdepod@nga.mil.

Through a special arrangement between the National Ocean Service and NGA, all NOAA charts are also available (as large pdf print files) on the NGA websites for Department of Defense (DoD) customers and other authorized U.S. Government users. These NOAA chart files are updated every week for all Notice to Mariners (NGA, USCG, and Canadian Coast Guard). The official NGA web sites for downloading selected NGA and NOAA charts are:

- JWICS: <http://www.geoint.nga.ic.gov/products/dnc1/epods/index.htm>
- NIPRNet: <https://www.geointel.nga.mil/products/dnc/epods/index.htm>
- SIPRNet: <http://www.geoint.nga.smil.mil/products/dnc1/epods/index.htm>

This week's new editions released by NGA are listed below. These NGA charts are now available for download as large pdf print files at the above mentioned web sites.

22112	4 th Ed. Sept. 10, 2016 NEW EDITION GOLFO DE GUAYAQUIL - ISLA PUNA - ARCHIPIELAGO DE JAMBELI (Correct through NM 37/16).	WGS	(NGA Springfield, VA) 1:100,000 Limited Distribution
22409	5 th Ed. Sept. 24, 2016 NEW EDITION ANGOSTURA INGLESA AND PASO DEL INDIO (Correct through NM 39/16).	WGS	(NGA Springfield, VA) 1:20,000/1:40,000 Limited Distribution
43104	5 th Ed. Sept. 17, 2016 NEW EDITION VANNSUNDET TO KAGSUNDET (Correct through NM 38/16).	WGS	(NGA Springfield, VA) 1:50,000 Limited Distribution
43106	7 th Ed. Sept. 24, 2016 NEW EDITION NORTHERN APPROACHES TO TROMSO (Correct through NM 39/16).	WGS	(NGA Springfield, VA) 1:50,000 Limited Distribution
51164	19 th Ed. Sept. 24, 2016 NEW EDITION CHIPIONA TO CABO ROCHE (Correct through NM 39/16).	WGS	(NGA Springfield, VA) 1:50,000 Limited Distribution
51380	6 th Ed. Sept. 24, 2016 NEW EDITION CANARY ISLANDS - EASTERN GROUP (Correct through NM 39/16).	WGS	(NGA Springfield, VA) 1:300,000 Limited Distribution
52082	4 th Ed. Sept. 24, 2016 NEW EDITION APPROACHES TO ALICANTE AND TORREVIEJA (Correct through NM 39/16).	WGS	(NGA Springfield, VA) 1:75,000 Limited Distribution

NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY'S IMPLEMENTATION OF A HARDCOPY TO DIGITAL TRANSITION STRATEGY

Since the mid-1990's, the National Geospatial-Intelligence Agency (NGA) has been working to improve digital navigation product support for the US Navy and other US Government users. The US Navy is transitioning to digital navigation, thus reducing the need for NGA to continue production of hardcopy charts. Therefore, NGA has begun a gradual transition from hardcopy chart production to a digital data maintenance environment. This notice is to advise mariners, chart agents, and other users of this strategy.

During the gradual transition from hardcopy charts to digital charts, NGA will continue to make certain hardcopy charts available only to US Government-approved entities, in accordance with US law or international agreement. These particular charts will be identified as "bilateral charts," since they are the product of international bilateral agreements and are duplicates of foreign copyright charts. Each bilateral chart will carry an NGA chart number, a National Stock Number (NSN), a bar code, and will show the number of any existing NGA chart that it replaces only when the chart is a one-for-one replacement. For those charts that are not a one-for-one replacement, no canceled chart number will appear. In the case where more than one new chart is being introduced to replace a single NGA chart, the existing chart will not be canceled until all new replacement charts have been announced in the Notice to Mariners.

Bilateral charts are the result of NGA international agreements and are duplicates of foreign copyrighted charts. The charts are printed in English, use metric units, refer to WGS-84 datum and are marked as "Distribution Limited." However, certain bilateral charts have not yet been converted to WGS-84 datum, and are of sufficiently large scale (generally larger than 1:50,000) where the difference from WGS-84 datum is noticeable. These exception charts are printed with datum shift values, which must be applied in order to plot GPS-derived positions correctly. The exception charts are scheduled for eventual conversion to WGS-84 datum; until this occurs, their chart numbers will appear bold-faced in the announcement list below.

Bilateral charts will contain references to host nation charts and publications, and may use symbology not yet found in US Chart No. 1. In most cases, NGA will not attempt to change these references to the equivalent US charts, publications or symbology. However, it should be noted that relevant maritime information referenced in a foreign publication can also usually be found within Sailing Directions, Notice to Mariners No. 1 (Special Paragraphs), List of Lights, Radio Navigational Aids, or Chart No. 1.

As the US Navy completes its transition to digital navigation, the use of bilateral charts will be gradually phased out. Until then, Section II of the Notice to Mariners, NGA/DLIS Catalog Corrections, will contain information about specific bilateral charts being announced as well as cancellation of any existing charts that they replace. Update information for bilateral charts will appear in Section I of the Notice to Mariners, Chart Corrections. Standard chart policy remains intact, in that NGA charts are not to be placed in service until their announcement appears in the US Notice to Mariners.

NGA has begun adopting bilateral charts in waters of Australia, Canada, Japan, and the UK, with additional countries to follow. What this further means is that NGA no longer provides certain hardcopy charts (i.e., those replaced by bilateral charts) for public sale. To obtain these hardcopy charts, civilian users will be required to purchase bilateral chart equivalents from their producer nations and their agents. Contact information for purchasing Australian, Canadian, Japanese, and UK charts is listed below:

Australian Hydrographic Service Web site: <http://www.hydro.gov.au>

Australian Distribution Network: <http://www.hydro.gov.au/prodserv/distributors/distributors.htm>

Canadian Hydrographic Service Web site: <http://notmar.com/charts/index.php>

Canadian Sales Agents: <http://www.chs-shc.dfo-mpo.gc.ca/chs/en/Dealers/locate.htm>

Japan Coast Guard and List of Agents Web sites: <http://www1.kaiho.mlit.go.jp/jhd-E.html>

UK Hydrographic Office Web site: <http://www.ukho.gov.uk>

UK Sales Agents: http://www.ukho.gov.uk/list_of_agents.html

NGA issues this notice weekly. It will also appear in the "What's New @ Maritime" section of the Maritime Safety Web site (<http://msi.nga.mil/NGAPortal/MSI.portal>); however, the following list of announced bilateral charts will only appear in the Notice to Mariners.

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NGA bilateral Australian, Canadian, Japanese, and UK charts announced to date:

<i>Former US Chart No.</i>	<i>Current US Chart No.</i>	<i>Foreign Chart No.</i>	<i>Originally Announced in NTM</i>	<i>Later Edition</i>
14002	14ACO14000	Can. 4023	23/04	
14005	14ACO14001	Can. 4012	23/04	
14006	14ACO14334	Can. 4016	9/09	
14009	14ACO14004	Can. 4015	23/04	
14009	14ACO14011	Can. 4047	23/04	
14009	14ACO14012	Can. 4002	29/04	
14009	14ACO14013	Can. 4013	29/04	
14009	14ACO14015	Can. 4045	29/04	
14014	14ACO14013	Can. 4013	29/04	
14040	14ACO14016	Can. 4010	29/04	
14041	14XHA14019	Can. 4011	29/04	
14083	14AHA14036	Can. 4320	45/05	34/07
14088	14AHA14047	Can. 4201	46/05	
14089	14AHA14048	Can. 4202	39/06	41/16
14090	14AHA14049	Can. 4237	6/05	
14091	14AHA14050	Can. 4203	48/06	
14115	14XCO14058	Can. 4227	29/04	
14144	14XHA14143	Can. 4950	38/03	15/15
14190	14ACO14096	Can. 4905	6/09	
14202	14XHA14193	Can. 1432	38/03	3/16
14202	14XHA14195	Can. 1431	42/03	52/15
14203	14XHA14195	Can. 1431	42/03	52/15
14221	14XHA14209	Can. 1311	32/08	15/15
14221	14XHA14211	Can. 1312	40/03	15/15
14222	14XHA14211	Can. 1312	40/03	15/15
14227	14XHA14215	Can. 1316	39/03	38/12
14240	14XHA14217	Can. 1236	43/03	15/15
14241	14XHA14218	Can. 1233	39/03	14/15
14253	14ACO14004	Can. 4015	23/04	
14340	14ACO14334	Can. 4016	9/09	
14342	14BCO14336	Can. 4626	11/10	
14360	14ACO14348	Can. 4017	12/10	
14364	14AHA14359	Can. 4846	25/09	
14415	14ACO14377	Can. 4020	12/10	
15008	15ACO15001	Can. 4730	12/10	
15011	15ACO15002	Can. 7050	16/08	
15017	15ACO15003	Can. 5450	33/07	
15018	15ACO15004	Can. 4700	12/10	
15020	15ACO15005	Can. 7011	12/10	
15041	15ACO15007	Can. 4731	41/08	
15061	15ACO15014	Can. 4732	42/08	
15120	15ACO15030	Can. 4775	31/07	
15140	15ACO15031	Can. 4776	12/10	
15160	15ACO15032	Can. 5300	34/08	
15312	15ACO15035	Can. 5400	6/09	
15670	15XCO15672	Can. 7570	44/09	
17008	17ACO17007	Can. 3002	40/08	
17005	17ACO17010	Can. 3001	41/14	
17413	17ACO17411	Can. 3802	42/08	
17414	17BCO17415	Can. 3854	42/08	
17416	17BCO17417	Can. 3853	41/08	
17438	17BHA17440	Can. 3956	12/10	
17441	17BHA17442	Can. 3927	12/07	

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<i>Former US Chart No.</i>	<i>Current US Chart No.</i>	<i>Foreign Chart No.</i>	<i>Originally Announced in NTM</i>	<i>Later Edition</i>
17444	17XHA17448	Can. 3955	32/08	15/15
17445	17BHA17439	Can. 3957	12/10	
17480	17ACO17454	Can. 3744	12/10	
17486	17XCO17458	Can. 3727	13/09	
17489	17XHA17488	Can. 3598	12/10	
17495	17ACO17493	Can. 3605	6/07	
17513	17XHA17497	Can. 3539	8/05	1/08
17515	17XHA17496	Can. 3513	6/09	
17517	17XHA17498	Can. 3512	44/09	
17518	17BHA17499	Can. 3463	31/07	
17543	17ACO17501	Can. 3604	1/08	
17546	17XCO17510	Can. 3603	31/10	
17548	17BCO17511	Can. 3671	31/07	
17550	17ACO17514	Can. 3602	24/07	
18401	18BHA18404	Can. 3459	42/08	44/10
18405	18BHA18426	Can. 3493	25/07	49/11
18406	18BHA18435	Can. 3481	23/07	36/12
18407	18BHA18436	Can. 3494	12/07	15/15
18408	18BHA18437	Can. 3495	42/08	15/15
18413	18BHA18442	Can. 3442	31/07	
18415	18BHA18461	Can. 3441	24/07	
18416	18AHA18462	Can. 3440	24/07	
18418	18AHA18466	Can. 3419	24/07	15/15
18419	18BHA18469	Can. 3412	44/15	
18420	18BHA18467	Can. 3479	12/07	16/08
35009	35ACO35002	UK 266	19/04	10/16
35009	35ACO35003	UK 268	19/04	
35009	35ACO35004	UK 273	19/04	
35009	35ACO35005	UK 278	23/04	4/07
35009	35ACO35006	UK 1191	24/04	8/13
35009	35ACO35010	UK 1192	28/04	5/16
35009	35ACO35013	UK 1409	23/04	35/13
35009	35ACO35014	UK 1407	23/04	33/09
35016	35ACO35015	UK 2635	26/06	9/16
35022	35ACO35017	UK 1128	16/08	10/16
35023	35ACO35018	UK 1129	37/07	10/16
35031	35ACO35019	UK 1127	4/06	10/16
35032	35ACO35020	UK 1125	7/07	
35036	35ACO35024	UK 1123	3/07	20/07
35040	35ACO35006	UK 1191	24/04	8/06
35060	35ACO35010	UK 1192	28/04	
35080	35ACO35014	UK 1407	23/04	33/09
35081	35BHA35035	UK 734	28/04	23/14
35082	35BHA35037	UK 735	31/04	52/15
35086	35BHA35048	UK 736	32/04	34/14
35100	35ACO35013	UK 1409	23/04	49/04
35101	35BHA35052	UK 223	33/04	3/12
35120	35ACO35055	UK 115	23/04	34/13
35130	35ACO35056	UK 1942	12/06	35/13
35135	35ACO35057	UK 2249	27/07	5/16
35136	35ACO35058	UK 2250	27/07	39/10
35141	35ACO35059	UK 2162	21/07	33/09
35144	35XCO35062	UK 2584	27/07	2/16
35150	35ACO35063	UK 1119	27/07	11/13
35155	35ACO35064	UK 1234	27/07	5/16

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<i>Former US Chart No.</i>	<i>Current US Chart No.</i>	<i>Foreign Chart No.</i>	<i>Originally Announced in NTM</i>	<i>Later Edition</i>
35159	35ACO35065	UK 3271	30/07	39/10
35160	35ACO35066	UK 1233	27/07	11/13
35163	35ACO35067	UK 3272	27/07	3/16
35166	35ACO35068	UK 3283	27/07	14/16
35169	35ACO35071	UK 3281	29/07	25/13
35170	35ACO35072	UK 3282	30/07	25/13
35200	35ACO35001	UK 1954	28/04	27/16
35205	35ACO35073	UK 2720	27/07	10/13
35210	35ACO35074	UK 1785	27/07	14/16
35220	35ACO35075	UK 2721	37/07	8/13
35230	35ACO35078	UK 1794	24/07	27/13
35236	35AHA35079	UK 2207	28/07	39/10
35237	35AHA35089	UK 2208	30/07	25/13
35239	35AHA35090	UK 2210	28/07	30/16
35243	35BHA35091	UK 3146	37/07	27/16
35246	35ACO35092	UK 1795	21/07	6/16
35247	35AHA35093	UK 1796	28/07	39/10
35248	35BHA35094	UK 2209	38/07	52/15
35250	35BHA35095	UK 2540	29/07	17/13
35255	35AHA35096	UK 2171	30/07	23/14
35256	35AHA35097	UK 2390	24/07	35/13
35260	35ACO35104	UK 2722	27/07	26/16
35265	35ACO35106	UK 1778	27/07	33/09
35270	35AHA35109	UK 2169	29/07	24/14
35272	35ACO35110	UK 1770	12/07	27/16
35277	35BHA35113	UK 2326	22/06	13/16
35278	35BHA35114	UK 2343	4/06	15/16
35279	35BHA35115	UK 2397	29/06	23/14
35295	35BHA35116	UK 2481	22/06	23/14
35296	35BHA35117	UK 2396	25/06	15/16
35298	35BHA35118	UK 2168	7/07	16/16
35299	35ACO35119	UK 2724	26/06	5/07
35300	35ACO35121	UK 2723	18/06	13/16
35302	35ACO35123	UK 2798	46/05	22/14
35307	35ACO35126	UK 2199	5/06	8/13
35308	35ACO35127	UK 2198	25/06	44/12
35310	35ACO35128	UK 2725	27/06	3/16
35350	35ACO35131	UK 2173	12/07	
35380	35ACO35138	UK 2254	30/06	
35390	35ACO35139	UK 2423	22/06	7/16
35400	35ACO35140	UK 2424	5/06	6/16
35420	35ACO35147	UK 2049	18/06	10/13
35421	35AHA35148	UK 1777	46/05	
35423	35AHA35149	UK 1773	46/05	
35424	35AHA35151	UK 1765	46/05	26/10
35011	35XCO35172	UK 219	8/08	17/13
36010	36ACO36000	UK 1121	26/06	
36015	36ACO36001	UK 2649	47/05	
36040	36ACO36002	UK 1410	47/05	
36060	36ACO36006	UK 1141	12/07	6/16
36061	36BHA36007	UK 1468	20/07	
36062	36BHA36008	UK 1415	4/06	44/12
36063	36BHA36009	UK 1447	12/07	9/13
36081	36BHA36011	UK 1753	7/07	34/14
36098	36AHA36012	UK 2221	47/05	14/16

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<i>Former US Chart No.</i>	<i>Current US Chart No.</i>	<i>Foreign Chart No.</i>	<i>Originally Announced in NTM</i>	<i>Later Edition</i>
36103	36BHA36014	UK 2126	9/07	
36104	36BHA36016	UK 2220	6/07	
36106	36BHA36017	UK 2131	47/05	27/16
36108	36BHA36018	UK 2000	4/06	13/12
36110	36BHA36019	UK 2007	8/06	18/11
36115	36BHA36020	UK 1994	3/07	21/14
36116	36AHA36021	UK 1867	23/05	26/10
36117	36BHA36022	UK 1907	11/07	13/16
36118	36BHA36023	UK 2383	25/06	27/16
36119	36BHA36024	UK 2491	4/06	13/16
36120	36ACO36025	UK 1826	13/07	24/13
36127	36BHA36030	UK 3746	32/06	23/14
36128	36BHA36030	UK 3746	32/06	23/14
36137	36AHA36032	UK 1478	39/04	37/13
36138	36AHA36033	UK 3275	39/04	13/16
36139	36BHA36034	UK 3274	39/04	35/13
36140	36ACO36035	UK 1178	39/04	10/13
36141	36BHA36036	UK 2878	41/04	37/13
36161	36BHA36039	UK 1152	52/04	29/16
36163	36BHA36042	UK 1176	1/05	40/16
36165	36BHA36044	UK 1165	17/05	13/16
36180	36ACO36049	UK 2565	27/05	9/13
37043	37AHA37003	UK 1267	15/06	10/16
37044	37AHA37004	UK 30	25/05	39/10
37045	37AHA37006	UK 1901	25/05	34/13
37046	37AHA37007	UK 1613	34/05	25/13
37047	37XHA37008	UK 1902	25/05	9/16
37060	36ACO36050	UK 442	25/05	
37075	37ACO37015	UK 2454	25/08	1/12
37079	37AHA37016	UK 2625	32/05	6/16
37081	37AHA37017	UK 2045	32/05	25/13
37083	37AHA37019	UK 2037	25/05	13/16
37084	37AHA37020	UK 2036	5/06	13/16
37086	37AHA37021	UK 2631	31/05	10/16
37088	37BHA37022	UK 2041	2/16	
37122	37AHA37028	UK 1828	19/05	27/16
37133	37BHA37030	UK 1834	2/16	
37136	37AHA37035	UK 1186	34/04	18/16
37137	37AHA37036	UK 2151	34/04	18/16
37138	37AHA37037	UK 3337	34/04	26/16
37138	37BHA37038	UK 2484	34/04	18/16
37139	37BHA37039	UK 1606	36/04	26/16
37141	37AHA37040	UK 1607	9/05	21/14
37145	37AHA37051	UK 1185	37/04	13/16
37147	37BHA37052	UK 1975	36/04	14/16
37150	37ACO37055	UK 1504	37/04	40/13
37170	37ACO37057	UK 1503	38/04	14/16
37175	37ACO37058	UK 1187	38/04	49/15
37180	37ACO37059	UK 1190	38/04	40/14
37182	37AHA37062	UK 109	38/04	33/09
37183	37BHA37066	UK 1188	6/05	52/15
74152	74BHA74150	Aus. 208	8/07	44/10
74153	74BHA74155	Aus. 207	8/07	
74162	74BCO74163	Aus. 811	13/07	
74162	74BCO74164	Aus. 810	13/07	

SECTION III

<i>Former US Chart No.</i>	<i>Current US Chart No.</i>	<i>Foreign Chart No.</i>	<i>Originally Announced in NTM</i>	<i>Later Edition</i>
74183	74AHA74180	Aus. 237	9/07	18/16
74186	74AHA74189	Aus. 238	47/05	17/16
74201	74BHA74199	Aus. 246	8/07	17/16
74205	74BHA74244	Aus. 245	45/10	
74206	74AHA74212	Aus. 244	15/07	17/16
74210	74BCO74245	Aus. 820	13/07	18/16
74221	74BCO74227	Aus. 821	11/07	18/16
74229	74BCO74246	Aus. 824	16/08	26/16
74229	74BCO74247	Aus. 249	16/08	26/16
74232	74BHA74216	Aus. 256	10/07	18/16
74234	74BHA74237	Aus. 257	11/07	45/10
74252	74BCO74258	Aus. 263	41/10	
74253	74BCO74262	Aus. 830	13/07	26/16
74271	74BCO74275	Aus. 833	18/07	26/16
74271	74BCO74277	Aus. 280	35/07	17/16
74272	74BHA74267	Aus. 834	13/07	18/16
74287	74BHA74279	Aus. 289	52/06	
74293	74ACO74311	Aus. 839	12/06	25/13
74294	74BCO74300	Aus. 292	47/05	
74294	74ACO74311	Aus. 839	12/06	
74310	74BCO74395	Aus. 302	18/07	
74320	74BCO74313	Aus. 303	18/07	
74330	74BCO74387	Aus. 304	52/06	
74340	74BCO74384	Aus. 305	35/07	
74350	74BCO74383	Aus. 306	35/07	44/10
74376	74BCO74377	Aus. 715	35/07	
74393	74BHA74397	Aus. 26	47/06	36/16
74394	74BHA74397	Aus. 26	47/06	36/16
74415	74ACO74416	Aus. 726	35/07	
74430	74ACO74431	Aus. 315	22/08	48/08
74450	74ACO74451	Aus. 319	34/07	48/08
74517	74ACO74031	Aus. 743	12/06	17/16
74555	74ACO74593	Aus. 334	34/07	
74581	74AHA74585	Aus. 112	18/07	
75010	75ACO75111	Aus. 341	36/07	
75010	75ACO75114	Aus. 342	36/07	
75110	75ACO75111	Aus. 341	36/07	
75120	75ACO75114	Aus. 342	36/07	
75132	75BHA75137	Aus. 137	19/06	42/08
75170	75ACO75166	Aus. 788	14/06	
75170	75ACO75167	Aus. 789	14/06	
75170	75ACO75168	Aus. 790	17/06	
75171	75AHA75164	Aus. 144	44/10	51/15
75171	75AHA75165	Aus. 143	21/06	20/08
75175	75AHA75178	Aus. 154	18/06	24/13
75261	75AHA75274	Aus. 808	11/07	
75264	75AHA75269	Aus. 201	12/07	
75264	75AHA75267	Aus. 202	48/06	
75265	75AHA75266	Aus. 197	17/07	
95261	95BCO95263	Jpn. W145	9/12	
95264	95BHA95266	Jpn. W1155A	5/12	21/15
95258	95BHA95257	Jpn. W1160	23/14	
95273	95BHA95279	Jpn. W1197	5/12	
95282	95BHA95288	Jpn. W1167	10/11	
95285	95BHA95289	Jpn. W1166	29/12	

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<i>Former US Chart No.</i>	<i>Current US Chart No.</i>	<i>Foreign Chart No.</i>	<i>Originally Announced in NTM</i>	<i>Later Edition</i>
95342	95AHA95339	Jpn. W1265	46/12	
96940	96BHA96933	Jpn. W7	51/12	
96941	96BCO96932	Jpn. W28	20/15	
96942	96BHA96931	Jpn. W5	21/11	
96961	96BHA96951	Jpn. W1033A	46/10	21/14
97041	97BHA97044	Jpn. W65	21/11	44/15
97060	97ACO97050	Jpn. W54	46/11	1/13
97062	97BHA97053	Jpn. W79	20/15	
97082	97BHA97084	Jpn. W64A	9/12	22/15
97083	97BHA97085	Jpn. W64B	9/12	34/14
97141	97BHA97132	Jpn. W1067	52/12	
97143	97AHA97133	Jpn. W1062	11/11	
97144	97AHA97134	Jpn. W1081	9/11	52/12
97146	97AHA97135	Jpn. W1083	46/10	49/15
97148	97XHA97136	Jpn. W1085	18/11	
97149	97AHA97137	Jpn. W66	46/10	3/14
97150	97XHA97139	Jpn. W67	46/10	
97151	97AHA97168	Jpn. W1061	21/11	
97155	97BHA97172	Jpn. W1065	21/11	
97181	97BHA97089	Jpn. W1051	42/12	
97182	97BHA97090	Jpn. W1053	21/12	
97184	97BHA97030	Jpn. W1055A	49/11	37/13
97189	97BHA97034	Jpn. W1055B	49/11	
97204	97AHA97191	Jpn. W131	11/11	
97220	97BHA97197	Jpn. W1103	29/12	
97221	97AHA97198	Jpn. W106	11/11	
97225	97AHA97210	Jpn. W150A	46/11	
97227	97XHA97212	Jpn. W1146	30/13	
97228	97AHA97213	Jpn. W123	29/14	
97233	97BHA97252	Jpn. W153	12/11	21/14
97234	97BHA97253	Jpn. W137A	45/11	3/14
97236	97BHA97255	Jpn. W137B	46/11	3/14
97237	97BHA97256	Jpn. W1121	6/12	
97261	97BHA97293	Jpn. W141	12/11	49/11
97262	97BHA97294	Jpn. W104	12/11	
97263	97BHA97295	Jpn. W132	9/11	
97277	97AHA97311	Jpn. W1102	40/13	
97285	97AHA97319	Jpn. W1262	11/11	21/15
97286	97AHA97321	Jpn. W1263	11/11	21/15
97287	97AHA97322	Jpn. W1264	11/11	21/14
97340	97ACO97327	Jpn. W1221	42/13	
97343	97BHA97330	Jpn. W214A	21/14	
97360	97ACO97333	Jpn. W1222	40/13	
97383	97BHA97337	Jpn. W206	3/12	
97391	97BHA97351	Jpn. W202	21/15	
97465	97BHA97370	Jpn. W222A	49/11	
97466	97AHA97371	Jpn. W243	13/12	
97469	97AHA97373	Jpn. W228B	48/11	
97481	97BCO97375	Jpn. W1205	49/11	
97343	97BHA97567	Jpn. 214B	21/14	

MARINE INFORMATION REPORT AND SUGGESTION SHEET INSTRUCTIONS

We value your suggestions to improve our products. The Marine Information Report and Suggestion Sheet is provided for users to submit corrective information. Please be complete and accurate in your description/suggestion and include the information as detailed below:

Observer: name(s) of person(s) making observation and rank, rate or title.

Ship/Organization: name of vessel or organization.

Address: complete mailing address. Also include telephone number, fax, and/or e-mail address, if available, in case clarification is required.

Date of Observation: day, month and year at which the observation was made.

Time of Observation: local time at which the observation was made.

Latitude/Longitude: exact position of the observation expressed as accurately as possible.

Datum: horizontal datum to which the observed position is referred (e.g. WGS, NAD83, local foreign datum, etc.).

Navigation System: method used to determine the position of the observation (e.g. radar, GPS, Loran, etc.).

Include details about the equipment used, if deemed pertinent.

Verified by Navigator: indicate whether observation was verified by navigator.

Product(s) Affected: product number(s) and/or name(s) to which the observation applies (e.g. Chart 62400, Sailing Directions Pub. 127, etc.).

Edition: edition number and/or year of affected product.

Latest correction applied: the latest Notice to Mariners to which your copy of affected product has been corrected.

Sounding sensor or method used: equipment or method used to collect soundings. When reporting soundings, please provide an annotated echogram, if available, for verification.

Soundings corrected for draft: indicate whether soundings have been corrected for vessel's draft. If not, please include observed draft along with the details of information reported.

Details of Information Reported: use this space to provide details of the observation/suggestion. When referring to a charted feature, please describe it exactly as it appears on the chart. When referring to a publication, please indicate page number(s) and line number(s) or station number(s) as applicable. Use additional sheets as necessary and include diagrams, photocopies of the product(s) involved and/or photographs to describe observations in greater detail. If possible, include the designation, point of contact, telephone number, fax number and/or e-mail address of the local port authority to enable NGA to update our records and obtain additional or later information.

User Feedback: use this space to provide feedback and suggestions for improving NGA products and services.

Please detach, fold and mail the pre-addressed form and include any other relevant material or supporting information.

Reports which present an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. In general, these hazards would include major aids to navigation anomalies, discovery of obstructions or shoals with depths of less than 30 meters, floating dangers to shipping, and any situation deemed critical to safety of life at sea. For further information consult Notice to Mariners No. 1, paragraph 43 (Worldwide Navigational Warning Service).

Due to the large volume of information received, NGA cannot acknowledge receipt of every report. Some reports containing useful data are filed for use in the compilation of the next edition of the affected product. Others confirm or clarify previously reported information. Echogram traces are digitized and become part of our Bathymetric Database. Acknowledgment is made by inclusion in the Observer's List of the Notice to Mariners (page ii), or in some cases by letter from the Agency involved.

For additional information about various Hydrographic Reports, consult The American Practical Navigator (Chapter 30).

MARINE INFORMATION REPORT AND SUGGESTION SHEET

Observer _____ Ship/Organization _____

Address _____

Email address _____

Date of Observation _____ Time of Observation (Local) _____

Latitude _____ Longitude _____ Datum _____

Navigation System _____ Verified by Navigator: Yes _____ No _____

Product(s) Affected _____ Edition _____

Latest correction applied: N.M. _____

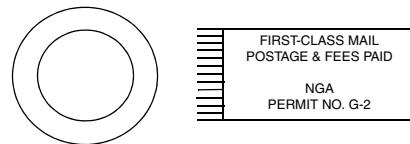
Sounding sensor or method used _____ Sounding(s) corrected for draft: Yes _____ No _____

Details of Information Reported (continue on additional sheets as necessary)

User Feedback (continue on additional sheets as necessary)



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MAIL STOP N64-SH
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY
7500 GEOINT DRIVE
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HYDROARC REPORT SHEET

Observer _____

Ship/Organization _____

Phone _____ Email Address_____

Describe Hazard (e.g. dredge, buoy, current meter, operations): _____

Is hazard remotely monitored? Yes _____ No _____

If yes, list Internet URL where most recent position will be posted (if any): _____

Depth water column is occupied (e.g. "bottom to surface", "surface to 500m"): _____

Date of Insertion _____ Latitude _____ Longitude _____

Date of Expected Removal _____

Most Recent Observation: Date _____ Time (Local) _____

Latitude _____ Longitude _____ Datum _____

Navigation System _____ Verified by Navigator: Yes _____ No _____

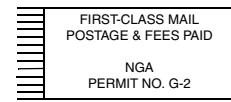
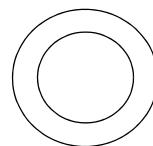
Sounding sensor or method used _____

Sounding(s) corrected for draft: Yes _____ No _____

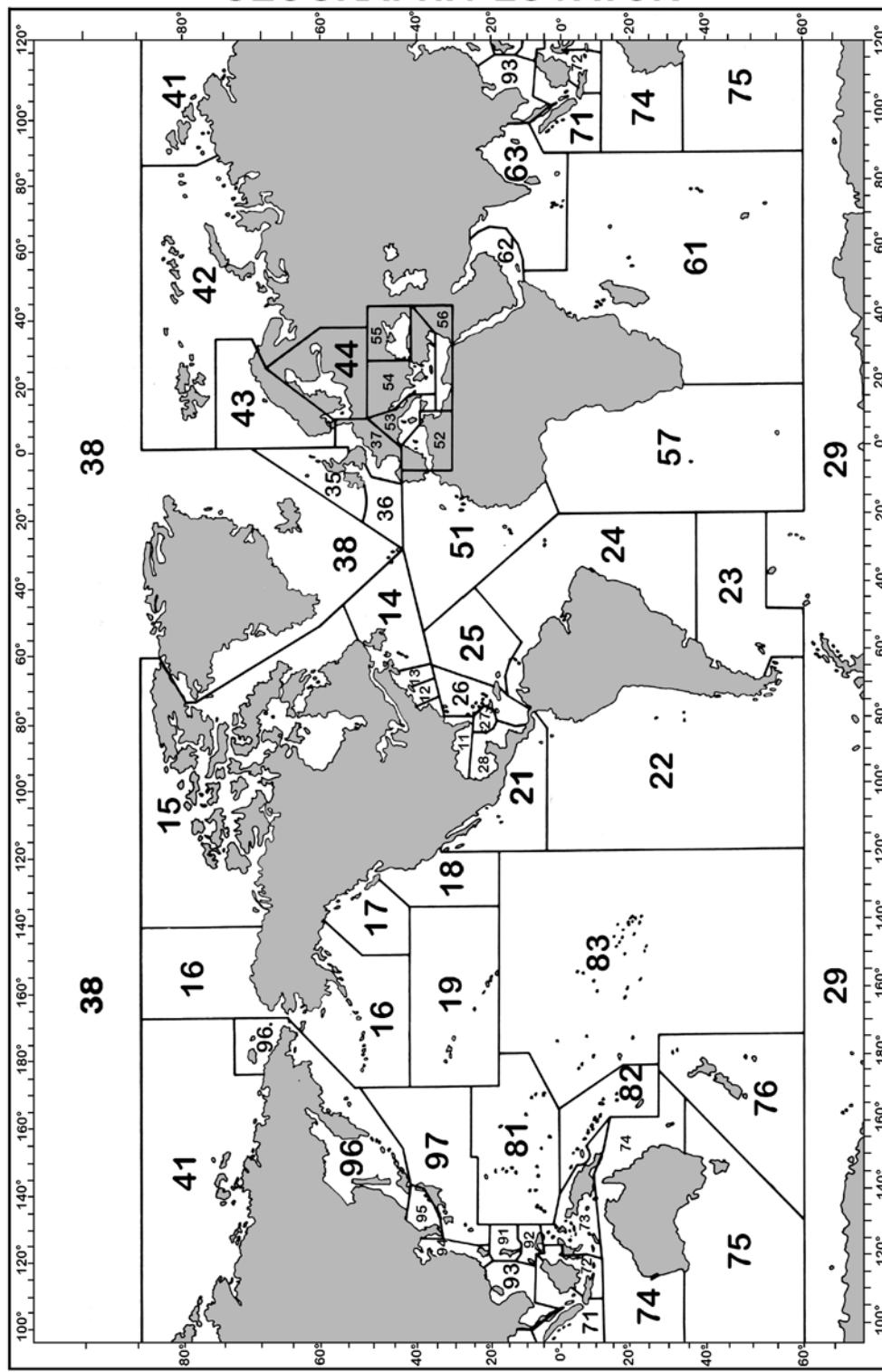
Details of Information Reported (continue on additional sheets as necessary): _____



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GEOGRAPHIC LOCATOR



For chart numbering purposes, the world is divided into nine regions, each corresponding to the geographic limits of one of the nine regions in the NGA/DLIS Catalog of Maps Charts and Related Products. Each Region is further subdivided into the numbered Subregions in the above graphic. The first two digits of all five-digit chart numbers indicate the geographic subregion to which the chart pertains. Users can locate corrections in this Notice for charts of their immediate interest by determining the two-digit Subregion number of the pertinent geographic area, and then turning to the page or pages that list the chart numbers beginning with those two digits.

**IMPORTANT
NAVIGATIONAL INFORMATION
TIME—DATED**



**NOTICE TO
MARINERS**

PLEASE EXPEDITE DELIVERY